

EPA Reg. Jacket 100-1527 vol 1

Material Sent for Data Extraction

Reg. # 100-1527

Description: New Product Registration

☒ Material(s) Sent to Data Extraction Contractors:

☒ New Stamped Label Dated 5/29/14

☐ Notification Dated _____

☒ New CSFs Dated 8/5/13

☐ Other: _____

☐ Decision #: 483052

☐ Other Action/Comments: _____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Julie Chao

Phone: 308-8735 Division: RD/IRB

Date: May 30, 2014



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

100-1527

Date of Issuance:

MAY 29 2014

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Cruiser® Vibrance® Quattro

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection
P.O. Box 18300
Greensboro, NC 27419

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must:

1. Submit and/or cite all data required for registration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data. You must comply with the following DCIs:
 - a. Thiamethoxam GDCI-060109-1308, issued on March 14, 2014
 - b. Thiamethoxam GDCI-060109-1309, issued on March 18, 2014
 - c. Fludioxonil GDCI-071503-1243, issued on December 5, 2013
 - d. Mefenoxam GDCI-113502-940, June 17, 2013

If you have questions about the Generic DCIs listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

http://www.epa.gov/oppsrd1/contacts_prd.htm.

Signature of Approving Official:

Venus Eagle, Product Manager 01

Insecticide-Rodenticide Branch, Registration Division (7505P)

Date:

MAY 29 2014

2. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, "EPA Reg. No 100-1527."

3. Submit one copy of the final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF (1671/1), dated 8/5/13
- Alternate CSF #1 (1672/1), dated 8/5/13

If you have any questions, please contact Julie Chao at 703-308-8735 or chao.julie@epa.gov.

Venus Eagle
Product Manager 01
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

(Booklet)

GROUP 4A INSECTICIDE

GROUP 3 4 7 12 FUNGICIDES

Cruiser® Vibrance® Quattro

A seed treatment product for protection against damage from certain insects and diseases of small grain cereals.

Active Ingredient:

Thiamethoxam ¹	5.75%
Difenoconazole ²	3.45%
Mefenoxam ³	0.86%
Fludioxonil ⁴	0.72%
Sedaxane ⁵	1.44%
Other Ingredients:	87.78%
Total:	100.00%

¹CAS No. 153719-23-4

²CAS No. 119446-68-3

³CAS Nos. 70630-17-0 and 69516-34-3

⁴CAS No. 131341-86-1

⁵CAS No. 874967-67-6

Cruiser Vibrance Quattro contains 0.51 lbs. thiamethoxam; 0.31 lbs. difenoconazole; 0.08 lbs. mefenoxam; 0.06 lbs. fludioxonil and 0.13 lbs. sedaxane per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet [on label].

EPA Reg. No. 100-XXXX

EPA Est. No. XXXXX

SCP XXXX

Net Contents

ACCEPTED
MAY 29 2014

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for the
pesticide registered under:

EPA. Reg. No.: 100-1527

FIRST AID

Have the product container with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER

For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372

PRECAUTIONARY STATEMENTS

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material (e.g.,-polyvinyl chloride [PVC], nitrile rubber or butyl rubber, barrier laminate, neoprene rubber, natural rubber, polyethylene, or Viton®)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- | |
|---|
| <ul style="list-style-type: none">• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.• Remove clothing/PPE immediately if pesticides get inside. Then wash thoroughly and put on clean clothing.• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. |
|---|

Environmental Hazards

This product is toxic to wildlife, freshwater and estuarine/marine fish and highly toxic to aquatic invertebrates. Runoff may be hazardous to aquatic organisms in neighboring areas. Exposed treated seed may be hazardous to wildlife. Do not contaminate water when disposing of equipment washwater or rinsate.

Pollinator Precautions

Thiamethoxam is highly toxic to bees, and effects are possible as a result of exposure to translocated residues in blooming crops.

If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion.

Ground Water Advisory

Mefenoxam is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

For commercial or on-farm use.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of carry-over treated seed.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notifications to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours. Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls

- | |
|--|
| <ul style="list-style-type: none">• Chemical-resistant gloves made of any waterproof material• Shoes plus socks |
|--|

USE RESTRICTIONS

- Do not use for feed, food, or oil purposes.
- Store away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants and chemical resistant gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Do not allow children, pets, or livestock to have access to treated seed.
- Dispose of all excess treated seed. Leftover treated seed may be doublesown around the headland or buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging in accordance with local requirements.
- Treated seed must be planted into the soil at a depth greater than 0.5 inch.
- For seed treated with Cruiser Vibrance Quattro, do not graze or feed livestock on treated areas for 45 days after planting.
- In the event of a crop failure or harvest of a crop grown from Cruiser Vibrance Quattro treated seed, the field may be replanted immediately to canola, soybean, barley, oat, rye, triticale and wheat, sweet corn, and chickpea.
- Alfalfa, *Brassica* (cole) leafy vegetables, buckwheat, corn (except sweet corn), pearl millet, proso millet, popcorn, rice (dry-seeded), sorghum, teosinte, wild rice, cotton, cucurbit vegetables, dry bulb onions, fruiting vegetables, leafy vegetables, legume vegetables (except chickpea), mint (peppermint and spearmint), oil seed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, peanuts, rapeseed seed, and safflower seed), root vegetables, strawberry, sunflowers, tobacco, and tuberous and corm vegetables may be planted 30 days from the date the Cruiser Vibrance Quattro treated seed was planted.
- For any other crop, the minimum plant back interval is 120 days from the date the Cruiser Vibrance Quattro treated seed was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.
- Do not make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with Cruiser Vibrance Quattro.
- Do not use at a rate that will result in more than 0.05 lb thiamethoxam per acre (22.7 grams ai/A) per year as a seed treatment application.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in the ethanol by-products that are used in agronomic practice.

PRODUCT INFORMATION

Cruiser Vibrance Quattro is a seed treatment product containing one insecticide active ingredient (thiamethoxam) and four fungicide active ingredients (difenoconazole, mefenoxam, fludioxonil and sedaxane). Cruiser Vibrance Quattro seed treatment protects against damage from certain early-season insects and certain seed- and soil-borne diseases of cereal crops. Difenoconazole provides protection against several seed, seedling and certain foliar disease including bunts and smuts. Mefenoxam protects against damping-off caused by *Pythium*. Fludioxonil provides protection against certain soil-borne and seed-borne diseases and is active against *Fusarium*, *Rhizoctonia*, and weakly pathogenic fungi such as *Aspergillus* and *Penicillium*. Sedaxane protects against *Rhizoctonia* and loose smuts (*Ustilago*).

Thiamethoxam is a systemic seed treatment insecticide belonging to the neoticotinoid class of chemistry. Thiamethoxam in Cruiser Vibrance Quattro protects against aphids, wireworm and European chafer.

Cruiser Vibrance Quattro may be applied in tank mixes, or sequentially with other EPA-registered seed treatment pesticide products. If using Cruiser Vibrance Quattro in a tank mixture with other seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank-mix partner label(s). Do not exceed any label dosage and follow the most restrictive label precautions and limitations. This product must not be mixed with any product which prohibits such mixing.

MIXING INSTRUCTIONS

Important: Always re-circulate Cruiser Vibrance Quattro thoroughly before using.

Apply Cruiser Vibrance Quattro as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of insect and disease control.

Consult the manufacturer of the application equipment you plan to employ for suitability for this application and for instructions on operation and calibration of the equipment. Follow the manufacturer application instructions for the seed treatment equipment being used.

Continuous agitation or mixing of the slurry mixture is necessary to prevent settling out of the solution.

Allow seed to dry before bagging.

Follow planter manufacturer specifications for use of talc or other hopper box additives at planting. Seed must be completely dry before adding to planter.

Cruiser Vibrance Quattro contains an EPA approved dye/colorant that imparts an unnatural color to the seed as required by the Federal Seed Act.

SEED BAG LABEL REQUIREMENTS

The Federal Seed Act requires that bags containing treated seeds shall be labeled with the following statements:

- This seed has been treated with difenoconazole, mefenoxam, fludioxonil and sedaxane fungicides and thiamethoxam insecticide.
- Do not use for feed, food, or oil purposes.
- User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

In addition, the U.S. Environmental Protection Agency requires the following statements on bags containing seeds treated with Cruiser Vibrance Quattro:

- **Pollinator Precaution:**
Thiamethoxam is highly toxic to bees, and effects are possible as a result of exposure to translocated residues in blooming crops.
- **Ground Water Advisory:**
Mefenoxam is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.
Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow.
- Store away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants and chemical resistant gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Do not allow children, pets, or livestock to have access to treated seed.
- Dispose of all excess treated seed. Leftover treated seed may be doublesown around the headland or buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging in accordance with local requirements.
- Treated seed must be planted into the soil at a depth greater than 0.5 inch.
- For seed treated with Cruiser Vibrance Quattro, do not graze or feed livestock on treated areas for 45 days after planting.
- In the event of a crop failure or harvest of a crop grown from Cruiser Vibrance Quattro treated seed, the field may be replanted immediately to canola, soybean, barley, oat, rye triticale and wheat, sweet corn, and chickpea.

- Alfalfa, *Brassica* (cole) leafy vegetables, buckwheat, corn (except sweet corn), pearl millet, proso millet, popcorn, rice (dry-seeded), sorghum, teosinte, wild rice, cotton, cucurbit vegetables, dry bulb onions, fruiting vegetables, leafy vegetables, legume vegetables (except chickpea), mint (peppermint and spearmint), oil seed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, peanuts, rapeseed seed, and safflower seed), root vegetables, strawberry, sunflowers, tobacco, and tuberous and corm vegetables may be planted 30 days from the date the Cruiser Vibrance Quattro treated seed was planted.
- For any other crop, the minimum plant back interval is 120 days from the date the Cruiser Vibrance Quattro treated seed was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.
- Do not make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with Cruiser Vibrance Quattro.
- Do not use at a rate that will result in more than 0.05 lb thiamethoxam per acre (22.7 grams ai/A) per year as a seed treatment application.
- This seed has been treated with 0.008 mg ai thiamethoxam per seed assuming an average seed size of 12,000 seeds per pound.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in the ethanol by-products that are used in agronomic practice.

CROP USE PRECAUTIONS

Resistance Management

Cruiser Vibrance Quattro contains sedaxane, a Group 7 fungicide, thiamethoxam, a Group 4A insecticide; mefenoxam, a Group 4 fungicide, fludioxonil, a Group 12 fungicide and difenoconazole, a Group 3 fungicide.

Some disease organisms and insect pests are known to develop resistance to products after repeated use. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

Mefenoxam, difenconazole, sedaxane and fludioxonil have specific modes of action and could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Syngenta cannot assume liability for crop damage resulting from insensitive strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible mefenoxam insensitive strains of fungi which may occur.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of

insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

Cruiser Vibrance Quattro contains a Group 4A insecticide (thiamethoxam, belonging to the neonicotinoid class of chemistry). Insect biotypes with acquired or inherent resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by thiamethoxam or other Group 4A insecticides.

In order to maintain susceptibility to this class of chemistry:

- Avoid using Group 4A insecticides exclusively for season long control of insect species with more than one generation per crop season.
- For insect species with successive or overlapping generations, apply Cruiser Vibrance Quattro or other Group 4A insecticides using a "treatment window" approach. A treatment window is a period of time as defined by the stage of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated in the Directions for Use) of the Group 4A insecticides. When using Cruiser Vibrance Quattro seed treatment in the first treatment window rotate to effective products with a different mode of action in the subsequent treatment window before making additional applications of Group 4A insecticides.
- A treatment window rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest's ability to develop resistance to this class of chemistry.
- If resistance is suspected, do not reapply Cruiser Vibrance Quattro or any other Group 4A insecticides.

Other Insect Resistance Management (IRM) practices include:

- Incorporating IPM techniques into your insect control program.
- Monitoring treated insect populations for loss of field efficacy.
- Using tank-mixtures or premixes with insecticides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

For additional information on Insect Resistance Management:

- Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: <http://www.irac-online.org/>.

Consult your local pest control advisor or extension office for additional methods for preventing resistance development. Syngenta encourages responsible product

stewardship to ensure effective long term control of the fungal and insect pests on this label.

CROP USE DIRECTIONS

Crop	Protection Against the following Insects	Use Rate Fluid Ounces per 100 lb seed
Barley	Aphids ¹ European Chafer Wireworms ¹	5 fluid oz

Crop	Protection Against the Following Diseases	Use Rate Fluid Ounces per 100 lb seed
Barley	General Seed Rots ² Seedling Blight, Root Rot, and Damping-Off caused by seed- and soil-borne <i>Fusarium</i> or <i>Rhizoctonia</i> Seedling Blight, Root Rot, and Damping-Off caused by soil-borne <i>Pythium</i> Seed-borne <i>Septoria</i> Covered Smut False Loose Smut True Loose Smut	5 fluid oz

Crop	Diseases Suppressed ³	Use Rate Fluid Ounces per 100 lb seed
Barley	Common Root Rot (<i>Cochliobolus</i>) <i>Fusarium</i> Crown and Foot Rot Take-All	5 fluid oz

Crop	Protection Against the following Insects	Use Rate Fluid Ounces per 100 lb seed
Oats	Aphids ¹ European Chafer Wireworms ¹	5 fluid oz

Crop	Protection Against the Following Diseases	Use Rate Fluid Ounces per 100 lb seed
Oats	General Seed Rots ² Seedling Blight, Root Rot, and Damping-Off caused by seed- and soil-borne <i>Fusarium</i> or <i>Rhizoctonia</i> Seedling Blight, Root Rot, and Damping-Off caused by soil-borne <i>Pythium</i> Seed-borne <i>Septoria</i>	5 fluid oz

	Covered Smut Loose Smut	
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Crop	Diseases Suppressed ³	Use Rate Fluid Ounces per 100 lb seed
Oats	Common Root Rot (<i>Cochliobolus</i>)	5 fluid oz

Crop	Protection Against the following Insects	Use Rate Fluid Ounces per 100 lb seed
Rye	Aphids ¹ European Chafer Wireworms ¹	5 fluid oz

Crop	Protection Against the Following Diseases	Use Rate Fluid Ounces per 100 lb seed
Rye	General Seed Rots ² Seedling Blight, Root Rot, and Damping-Off caused by seed- and soil-borne <i>Fusarium</i> or <i>Rhizoctonia</i> Seedling Blight, Root Rot, and Damping-Off caused by soil-borne <i>Pythium</i> Seed-borne <i>Septoria</i> Common Bunt ⁴ Dwarf Bunt ⁴	5 fluid oz

Crop	Diseases Suppressed ³	Use Rate Fluid Ounces per 100 lb seed
Rye	Common Root Rot (<i>Cochliobolus</i>) <i>Fusarium</i> Crown and Foot Rot Take-All	5 fluid oz

Crop	Protection Against the following Insects	Use Rate Fluid Ounces per 100 lb seed
Winter Wheat	Aphids ¹ European Chafer Wireworms ¹	5 fluid oz

Crop	Protection Against the Following Diseases	Use Rate Fluid Ounces per 100 lb seed
Winter Wheat and Triticale	General Seed Rots ² Seedling Blight, Root Rot, and Damping-Off caused by seed- and soil-borne <i>Fusarium</i> or <i>Rhizoctonia</i> Seedling Blight, Root Rot, and Damping-Off caused by soil-borne <i>Pythium</i>	5 fluid oz

	Seed-borne <i>Septoria</i> <i>Septoria</i> Leaf Blotch ⁵ Common Bunt ⁴ Flag Smut <i>Fusarium</i> Seed Scab Dwarf Bunt ⁴ Karnal Bunt Loose Smut <i>Pythium</i> Damping Off	
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Crop	Diseases Supressed ³	Use Rate Fluid Ounces per 100 lb seed
Winter Wheat and Triticale	Common Root Rot (<i>Cochliobolus</i>) <i>Fusarium</i> Crown and Foot and Root Rot Take-All	5 fluid oz

Crop	Protection Against the following Insects	Use Rate Fluid Ounces per 100 lb seed
Spring Wheat	Aphids ¹ European Chafer Wireworms ¹	5 fluid oz

Crop	Protection Against the Following Diseases	Use Rate Fluid Ounces per 100 lb seed
Spring Wheat	General Seed Rots ² Seedling Blight, Root Rot, and Damping-Off caused by seed- and soil-borne <i>Fusarium</i> or <i>Rhizoctonia</i> Seedling Blight, Root Rot, and Damping-Off caused by soil-borne <i>Pythium</i> Seed-borne <i>Septoria</i> <i>Fusarium</i> Seed Scab Common Bunt ⁴ Karnal Bunt Loose Smut <i>Pythium</i> Damping Off	5 fluid oz

Crop	Diseases Supressed ³	Use Rate Fluid Ounces per 100 lb seed
Spring Wheat	Common Root Rot (<i>Cochliobolus</i>) <i>Fusarium</i> Crown and Foot and Root Rot Take-All	5 fluid oz

¹The 5 fluid oz/100 lbs rate of Cruiser Vibrance Quattro provides suppression of wireworm activity, aphids and aphid vectored barley yellow dwarf virus. If pressure is moderate or high or control is required, apply up to 0.8 fl. oz. additional Cruiser 5FS.

²Protection against general seed rots. This includes rots caused by *Fusarium*, *Pythium*, *Rhizoctonia*, *Penicillium* and *Aspergillus*.

³Suppression means consistent protection at a level which is not optimal but is still of commercial benefit.

⁴Protects against both seed- and soil-borne bunts (common, dwarf).

⁵Early season foliar disease protection for first 4 weeks after planting. For full season protection, apply a foliar fungicide according to label directions.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Handling [less than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Container Handling [greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Container Handling [greater than 5 gallons]

Refillable container. Refill this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of

the refiller. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Cruiser®, Vibrance®, the ALLIANCE FRAME, the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

Viton® trademark of E. I. du Pont de Nemours and Company

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For non-emergency (e.g., current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

[Non-Detachable Container Label]

GROUP 4A INSECTICIDE

GROUP 3 4 7 12 FUNGICIDES

Cruiser® Vibrance® Quattro

A seed treatment product for protection against damage from certain insects and diseases of small grain cereals.

Active Ingredient:

Thiamethoxam ¹	5.75%
Difenoconazole ²	3.45%
Mefenoxam ³	0.86%
Fludioxonil ⁴	0.72%
Sedaxane ⁵	1.44%
Other Ingredients:	87.78%
Total:	100.00%

¹CAS No. 153719-23-4

²CAS No. 119446-68-3

³CAS Nos. 70630-17-0 and 69516-34-3

⁴CAS No. 131341-86-1

⁵CAS No. 874967-67-6

Cruiser Vibrance Quattro contains 0.51 lbs. thiamethoxam; 0.31 lbs. difenoconazole; 0.08 lbs. mefenoxam; 0.06 lbs. fludioxonil and 0.13 lbs. sedaxane per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-XXXX

EPA Est. No. XXXXX

SCP XXXX

Net Contents

FIRST AID
Have the product container with you when calling a poison control center or doctor, or going for treatment.
HOT LINE NUMBER
For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is toxic to wildlife, freshwater and estuarine/marine fish and highly toxic to aquatic invertebrates. Runoff may be hazardous to aquatic organisms in neighboring areas. Exposed treated seed may be hazardous to wildlife. Do not contaminate water when disposing of equipment washwater or rinsate.

Pollinator Precautions

Contains thiamethoxam which is highly toxic to bees exposed directly to dust from treated seed.

If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion.

Ground Water Advisory

Mefenoxam is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

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Container Handling [greater than 5 gallons]

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the refiller. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Cruiser®, Vibrance®, the ALLIANCE FRAME, the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

000100-XXXXXC.20130906.CRS_VIB_QUATRO_NEW_SEP13 HI.PDF
Cruiser Vibrance Quattro – NEW – dt – 05-1-2017 Version C – Clean.docx



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEE

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

DP BARCODE No.: D415816 FILE SYMBOL NO.: 100-RLET DECISION No.: 483052
PC CODES: 129223,071503,113502,060109,128847 ACTION CODE: R 314
FOOD USE: YES PRODUCT NAME: Vibrance CMaxx

DATE OUT: May 29, 2014

SUBJECT: End Use Product Chemistry Review
Product Name: Vibrance CMaxx

FROM: Bruce F. Kitchens, Chemist
Product Chemistry Team
Technical Review Branch/RD (7505P)

Bruce F. Kitchens
29 May 2014

TO: RM 01, Venus Eagle/Julie Chao
Insecticide-Rodenticide Branch/RD (7505P)

SRM 5729114

INTRODUCTION:

The registrant, Syngenta Crop Protection, LLC, is submitting an application to register the proposed end-use product, Vibrance CMaxx. The active ingredients in this product are Thiamethoxam, Difenoconazole, Mefenoxam, Fludioxonil, and Sedaxane at label nominal concentrations of 5.75, 3.45, 0.86, 0.72, and 1.44% a.i., respectively. This product is intended for use as a seed treatment. In support of this request, the registrant is submitting proposed basic and alternate CSFs (Confidential Statement of Formula) both dated 05 Aug 2013; a draft label and product chemistry data contained in MRID#s 491202-01, -02, -03, -06, -07, and -08. The Technical Review Branch (TRB) has been asked to review this submission.

SUMMARY OF FINDINGS:

1. Name of Active Ingredients:

Thiamethoxam	(5.75% ai)
Difenoconazole	(3.45% ai)
Mefenoxam	(0.86% ai)
Fludioxonil	(0.72% ai)
Sedaxane	(1.44% ai)

Formulation Type: Flowable concentrate

2. Has the registrant claimed substantial similarity to a registered product?

☐ Yes; ☒ No; ☐ NA; if yes give the registration number of the cited product.

3. All of the source materials of the active ingredient are derived from registered sources- ☒ Yes ☐ No

DP BARCODE No.: D4158

FILE SYMBOL NO.: 100-RLET

DECISION No.: 483052

PC CODES: 129223,071503,113502,060109,128847

ACTION CODE: R 314

FOOD USE: YES

PRODUCT NAME: Vibrance CMaxx

4. All inert ingredients have been screened by IIAB and are approved for the proposed labeled uses.

5. Confidential Statement of Formula:

☒ Basic - Dated: 05 Aug 2013 Resubmitted Dated:

☒ Alternate - Dated: 05 Aug 2013 Resubmitted Dated:

6. Product label

a. Ingredient statement: Nominal concentration of AI listed on CSF concurs with product label (PR Notice 91-2).

☒ Yes, if not, explain below:

Is the sub statement in compliance with PR Notice 97-6 (inert ingredient vs other ingredient)

☒ Yes; ☐ No; if not, explain below

Metallic equivalent: ☐ Yes ☒ NA

Soluble arsenic: ☐ Yes ☒ NA

Isomeric ratios: ☐ Yes ☒ NA

Acid Equivalent: ☐ Yes ☒ NA

b. Health related sub statements: Product contains?

Petroleum distillate at > 10%: ☐ Yes; ☐ No; ☒ NA

Methanol at > 4%: ☐ Yes; ☐ No; ☒ NA

Sodium nitrate/sodium nitrite ☐ Yes; ☐ No; ☒ NA

c. Physical chemical hazard statement: Product label requires a statement per 40 CFR §156.78 for: flammability, explosive potential or electric insulator breakdown?

☐ Yes ☒ No

Is the sub statement in compliance with PR Notice 98-6 (Total Release Fogger)?

☐ Yes; ☐ No; ☒ NA; if not, explain below

d. Label requires an additional Storage and Disposal statement: ☐ Yes ☒ No; if yes explain below:

7. Group A: Product Chemistry Data

TRB's determination of the acceptability for the proposed product is listed in the tables below.

Guideline No.	Study Title		Data submitted		TRB's Assessment of Data	MRID Nos.
			Yes	No		
830.1550	Product Identity & Composition		X		A	491202-01
830.1600	Description of materials used to produce the product		X		A	491202-01
830.1650	Description of formulation process		X		A	491202-01
830.1670	Discussion on the formation of impurities		X		A	491202-01
830.1700	Preliminary analysis			X	N/A	
830.1750	Certified limits (158.350)	Standard certified limits	X			see csf 8/5/13
		Proposed Limits				
		Justification for wider limits	X ¹		A	
830.1800	Enforcement analytical method		X		A	491202-07 491202-08

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver Request, I = In Progress, NA = Not Applicable; U = Upgradeable.

- Expanded limits have been requested to allow for minor adjustments to the manufacturing process in accordance with 40 CFR 158.175(c). See CSF dated 8/5/13.

8. Group B:

Guideline No.	Study Title	Value or Qualitative Description	TRB's Assessment of Data	MRID Nos.
830.6303	Physical State	Red, aromatic liquid	A	491202-02
830.6314	Oxidation/Reduction	Product is stable when mixed with sodium hypochlorite, Fe powder, water, and monoammonium phosphate	A	491202-06
830.6315	Flammability	>102°C	A	491202-02
830.6316	Explodability	Substance did not explode when exposed to heat or mechanical shock	A	491202-02
830.7000	pH	6.7 (1% dilution)	A	491202-02
830.6317	Storage stability	Product stable after 2-weeks storage at 54°C when stored in HDPE and fluorinated HDPE bottles	A	491202-06
830.6320	Corrosion characteristics	No changes in appearance to the test substance and test container after storage at 54°C	A	491202-06
830.7100	Viscosity	410 mPas at 20°C	A	491202-02
830.7300	Density (units)	1.073 g/ml (8.95 lbs/gal)	A	491202-02

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver request, NA = Not applicable, I = In progress; U = Upgradeable.

DP BARCODE No.: D4158

FILE SYMBOL NO.: 100-RLET

DECISION No.: 483052

PC CODES: 129223,071503,113502,060109,128847

ACTION CODE: R 314

FOOD USE: YES

PRODUCT NAME: Vibrance CMaxx

CONCLUSIONS:

The TRB has reviewed the product chemistry data submitted for the proposed end-use product and has concluded that:

1. The basic formula CSF for the proposed end-use product, Vibrance CMaxx dated 05 Aug 2013 is acceptable.

The proposed alternate formula CSF for the end-use product, Vibrance CMaxx dated 05 Aug 2013 is acceptable.

2. This submission satisfies the data requirements as specified in 40 CFR 158.320, 158.325, 158.335, 158.340, 158.350, and 158.355 with respect to product identity and composition, description of materials used to produce the product, description of formulation process, discussion of formation of impurities, certified limits, and enforcement analytical method.
3. This submission satisfies the data requirements as specified in 40 CFR 158.310 with respect to physical and chemical properties including storage stability and corrosion characteristics.
4. The proposed alternate formula for the end-use product, Vibrance CMaxx meets the criteria specified in 40 CFR 152.43 with respect to alternate formulations.

Work
Share

DATA PACKAGE BEAN SHEET

Date: 01-Nov-2013

Page 1 of 3

Decision #: 483052

DP #: (415816)

PRIA

Parent DP #:

Submission #: 940865

E-Sub #: 4706

*** Registration Information ***

Registration: 100-RLET - Vibrance CMaxx

Company: 100 - SYNGENTA CROP PROTECTION, LLC

Risk Manager: RM 01 - Venus Eagle - (703) 308-8045 Room# PY1 S-7913

Risk Manager Reviewer: Julie Chao JCHAO

Sent Date: _____

PRIA Due Date: 02-Jun-2014

Edited Due Date: _____

Type of Registration: Product Registration - Section 3

Action Desc: (R314) NEW END USE PRODUCT CONTAINING TWO OR MORE REGISTERED ACTIVE IN

Ingredients: See page 3

R314

32295

*** Data Package Information ***

Expedite: ☐ Yes ☒ No

Date Sent: 01-Nov-2013

Due Back: _____

DP Ingredient: See page 3

DP Title: Product Chemistry

CSF Included: ☒ Yes ☐ No

Label Included: ☒ Yes ☐ No

Parent DP #: _____

Assigned To

Date In

Date Out

Organization: RD / TRB

Last Possible Science Due Date: 02-Jun-2014

Team Name: CHEM

Science Due Date: _____

Reviewer Name: _____

Sub Data Package Due Date: _____

Contractor Name: _____

02-MAY-14 ✓
*
Wish
end
of April

*** Studies Sent for Review ***

Printed on Page 2

*** Additional Data Package for this Decision ***

No Additional Data Packages

*** Data Package Instructions ***

Please review the enclosed product chemistry data package, submitted by Syngenta Crop Protection in support of a new seed treatment product containing the insecticide thiamethoxam and fungicides difenoconazole, mefenoxam, fludioxonil, sedexane. MRIDs 49120201, 49120202, 49120203, 49120206, 49120207, and 49120208 are available in Documentum under e-submission package #4727. Hard copies of the cover letter, draft label, and proposed CSF (Basic + Alt) are also enclosed. Please let me know if you need any additional information. Thanks.

NO more work share. PC can be done
on TRB end use Product Template
Shyann
4/17/14

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49120201		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document J: Product Chemistry: (Group A). Project Number: TK0067821/OCR, PC/13/057. Unpublished study prepared by Syngenta Crop Protection, LLC. 25p.	830.1550/Product Identity and composition	Pass (20-Sep-2013)
49120201		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document J: Product Chemistry: (Group A). Project Number: TK0067821/OCR, PC/13/057. Unpublished study prepared by Syngenta Crop Protection, LLC. 25p.	830.1600/Description of materials used to produce the product	Pass (20-Sep-2013)
49120201		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document J: Product Chemistry: (Group A). Project Number: TK0067821/OCR, PC/13/057. Unpublished study prepared by Syngenta Crop Protection, LLC. 25p.	830.1650/Description of formulation process	Pass (20-Sep-2013)
49120201		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document J: Product Chemistry: (Group A). Project Number: TK0067821/OCR, PC/13/057. Unpublished study prepared by Syngenta Crop Protection, LLC. 25p.	830.1670/Discussion of formation of impurities	Pass (20-Sep-2013)
49120201		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document J: Product Chemistry: (Group A). Project Number: TK0067821/OCR, PC/13/057. Unpublished study prepared by Syngenta Crop Protection, LLC. 25p.	830.1750/Certified limits	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.1550/Product Identity and composition	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.1650/Description of formulation process	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.1670/Discussion of formation of impurities	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6302/Color	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6303/Physical state	Pass (20-Sep-2013)

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6304/Odor	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6314/Oxidizing or reducing action	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6315/Flammability	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6316/Explosibility	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6317/Storage stability	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6319/Miscibility	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6320/Corrosion characteristics	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.6321/Dielectric breakdown voltage	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.7000/pH	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document MIII, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.7100/Viscosity	Pass (20-Sep-2013)

MRID	MRID Status	Citation Reference	Guideline	85-5 Status
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document Mill, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	830.7300/Density/relative density	Pass (20-Sep-2013)
49120202		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Document Mill, Section 1: Product Chemistry. Project Number: TK0067821/OCR, PC/13/054. Unpublished study prepared by Syngenta Crop Protection, LLC. 37p.	860.1200/Directions for use	Pass (20-Sep-2013)
49120203		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Mill, Section 2: Analytical Methods: Product Chemistry. Project Number: TK0067821/OCR, PC/13/055. Unpublished study prepared by Syngenta Crop Protection, LLC. 8p.		Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6302/Color	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6303/Physical state	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6304/Odor	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6314/Oxidizing or reducing action	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6315/Flammability	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6316/Explodability	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6317/Storage stability	Pass (20-Sep-2013)

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6319/Miscibility	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.6320/Corrosion characteristics	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.7000/pH	Pass (20-Sep-2013)
49120206		Hipps, A. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Physical-Chemical Studies of the Formulation. Project Number: TK0067821/OCR, PC/13/056. Unpublished study prepared by Syngenta Crop Protection, LLC. 68p.	830.7300/Density/relative density	Pass (20-Sep-2013)
49120207		Sigmon, J. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: Analytical Method SF-622/1 - Determination of CGA169374, CGA173506, CGA293343, CGA329351, SYN524464 in A20307A: Analytical Method. Project Number: TK0180145/OCR, 10515148 SF/622/1. Unpublished study prepared by Syngenta Crop Protection, LLC. 13p.	830.1800/Enforcement analytical method	Pass (20-Sep-2013)
49120208		Perine, S. (2013) Thiamethoxam/Difenoconazole/Metalaxyl-M (Mefenoxam)/Fludioxonil/Sedaxan: A20307A - Validation of Analytical Method SF-622/1: Final Report. Project Number: TK0180145/OCR, 10535861, SF/622/1. Unpublished study prepared by Syngenta Crop Protection, LLC. 31p.	830.1800/Enforcement analytical method	Pass (20-Sep-2013)

DP#: (415816)

*** F and Data Package Ingredients ***

Decision#: (483052)

PC Code	CAS	Ingredient Name
129223	874967-67-6	Sedaxane
071503	131341-88-1	Fludioxonil
113502	70630-17-0	Metaxyl-M
060109	153719-23-4	Thiamethoxam
128847	119446-68-3	Difenoconazole
128847	119446-68-3	Difenoconazole(3.45%)
113502	70630-17-0	Metaxyl-M(86%)
060109	153719-23-4	Thiamethoxam(5.75%)
071503	131341-88-1	Fludioxonil(.72%)
129223	874967-67-6	Sedaxane(1.44%)

Chao, Julie

From: patrick.mccain@syngenta.com
Sent: Monday, May 19, 2014 4:21 PM
To: Chao, Julie
Cc: david.tuck@syngenta.com
Subject: RE: 100-RLET (Vibrance CMaxx) Chao McCain Followup 5-19-14
Attachments: 000100-XXXXXC.20130906.CRS_VIB_QUATRO_NEW_SEP13 CL.PDF; 000100-XXXXXC.20130906.CRS_VIB_QUATRO_NEW_SEP13 HI.PDF

Thanks for the advice Julie, very helpful.

As promised, here are the clean and highlighted versions of the Cruiser Vibrance Quattro label per your feedback below. The revisions vs the originally proposed label language are indicated in either yellow and/or green highlights. Please let me know if you have any questions or concerns.

Thanks,
Pat

-----Original Message-----

From: Chao, Julie [mailto:Chao.Julie@epa.gov]
Sent: Monday, May 19, 2014 3:56 PM
To: McCain Patrick USGR
Cc: Tuck David USGR
Subject: RE: 100-RLET (Vibrance CMaxx) Chao McCain Followup 5-19-14

Thanks, Pat. Sounds good.

Regarding your other question, what you are describing sounds like a "me-too" amendment to add already registered uses. This would likely qualify as a fast-track amendment (90-day review). Just be sure to include the appropriate data citations (i.e., data matrix) and data comp (e.g., formulator's exemption or offer to pay, as applicable). There are a few exceptions to a me-too amendment qualifying as a fast-track: 1) If you are NOT the data owner and you do a selective citation for the uses (as opposed to a cite-all and offer to pay), then it falls under PRIA category R352. If the formulation is a different physical type, it may require review by HED to confirm that the residue data can be bridged.

Julie

From: patrick.mccain@syngenta.com [patrick.mccain@syngenta.com]
Sent: Monday, May 19, 2014 3:46 PM
To: Chao, Julie
Cc: david.tuck@syngenta.com
Subject: RE: 100-RLET (Vibrance CMaxx) Chao McCain Followup 5-19-14

Thanks Julie,

We'll remove the dust statement and get the label back to you ASAP.

Regards,
Pat

PS I have an additional question I'd like your feedback on, if that is OK. I have been asked to include use directions for additional crops that have already been approved by the Agency on the same AI's at the proposed rate on the new label.

How does the Agency consider this label amendment? Is it a 90-Fast track amendment since it is simply including the same use patterns at the same rate that the Agency has already approved on another label? Thanks in advance for your feedback!

-----Original Message-----

From: Chao, Julie [mailto:Chao.Julie@epa.gov]
Sent: Monday, May 19, 2014 3:38 PM
To: McCain Patrick USGR
Cc: Tuck David USGR
Subject: RE: 100-RLET (Vibrance CMaxx) Chao McCain 5-15-14

Hi Pat,

At this point, you can remove the seed dust statement. I'm sorry if this wasn't clear from my earlier comments. We are holding off on making changes to the seed bag until new statements are vetted/finalized and there is a plan for uniform implementation across compounds. For now, it is fine for this new product label to match other currently registered thiamethoxam labels.

Thanks,
Julie

From: patrick.mccain@syngenta.com [patrick.mccain@syngenta.com]
Sent: Monday, May 19, 2014 3:19 PM
To: Chao, Julie
Cc: david.tuck@syngenta.com
Subject: RE: 100-RLET (Vibrance CMaxx) Chao McCain 5-15-14

Hi Julie,

As promised, attached please find a clean and highlighted version of the pending Cruiser Vibrance Quattro (formally Vibrance CMaxx) label (100-RLET) that includes all the revisions requested in your email dated May 13, 2014. In addition, as we discussed previously and inferred above, I revised the proposed product name to read Cruiser Vibrance Quattro.

Please note, I included the pollinator precaution language related to translocated residues in blooming crops per your feedback, I'd like to point out the fact that I originally voluntarily included the pollinator precaution statement about exposure to dust from treated seed statement. This statement was copied verbatim from recent Bayer clothianidin seed treatment labels and I voluntarily included it since it seemed more appropriate to seed treatment labels than the translocation statement. By requiring Syngenta to include both pollinator precaution statements, it implies greater pollinator toxicity of this product, when this is not proven true. Will you be requiring Bayer, and other neonic registrants to include both statements as well? Alternatively, I could remove the exposure to seed dust statement to be consistent with all the other EPA-approved Cruiser labels. Please let me know if you'd like to discuss.

Thanks for your consideration,
Pat

-----Original Message-----

From: McCain Patrick USGR
Sent: Thursday, May 15, 2014 10:07 AM

To: 'Chao, Julie'
Cc: Tuck David USGR
Subject: RE: 100-RLET (Vibrance CMaxx) Chao McCain 5-15-14

Thanks Julie,

I understand the Agency's position. Perhaps we can come to a more definitive position at the next meeting which we are trying to schedule in early June, I believe. Until then, it is the status quo...

I will initiate the revisions you suggested and provide you an updated label (with newly proposed brand name) by COB May 19th.

Thanks,
Pat

-----Original Message-----

From: Chao, Julie [mailto:Chao.Julie@epa.gov]
Sent: Thursday, May 15, 2014 7:01 AM
To: McCain Patrick USGR
Subject: RE: 100-RLET (Vibrance CMaxx)

Hi Pat,

I spoke to Jeff Herndon. At this time, although the workgroup has agreed on wording for many of the general seed bag statements, the Agency feels that it makes sense to hold off on implementing new statements until the group has also looked at the chemical-specific statements.

I also noted that the "Final List" you sent me does not incorporate some of the Agency's comments that I have in my meeting notes. For example, my notes show that the Agency wanted the statement "Surplus treated seed or empty seed containers should....." to be revised as a mandatory statement (i.e., "Store and dispose of surplus treated seed or empty seed containers..." Although we discussed the "genera" and "stewardship" statements at the meeting, I don't know that the final wording has been officially reviewed/vetted (or at least I wasn't made privy to any such exchange). I believe the Agency is still waiting to review the compound-specific statements before the list can be considered final.

That said, we really appreciate Syngenta's efforts on the seed bag tags, and your stewardship of Syngenta's seed treatment products. For now, I think we should continue to use the same seed bag statements that are currently found on other thiamethoxam/fungicide combo products. Then, once all seed bag statements have been agreed on and vetted, we can do a single round of label revisions.

Thanks,
Julie

+++++

Julie Chao
703.308-8735 (phone)
703.305.6920 (fax)
<http://www.epa.gov/pesticides>

-----Original Message-----

From: patrick.mccain@syngenta.com [mailto:patrick.mccain@syngenta.com]
Sent: Wednesday, May 14, 2014 2:06 PM
To: Chao, Julie

Subject: RE: 100-RLET (Vibrance CMaxx)

Hi Julie,

As promised in my voicemail I left you a few moments ago. Attached is the list of the seed tag language that EPA and the Seed Tag subteam have agreed upon for future seed treatment labels. This may help during our subsequent discussion about the subject product...

Thanks,
Pat

-----Original Message-----

From: Chao, Julie [mailto:Chao.Julie@epa.gov]
Sent: Tuesday, May 13, 2014 1:48 PM
To: McCain Patrick USGR
Subject: 100-RLET (Vibrance CMaxx)

Hi Pat,

Attached are my initial comments on the label for 100-RLET (Vibrance CMaxx). Let me know if you have any questions. Otherwise, please email me a revised label. The PRIA date is June 2, but the pre-decisional due-date is May 19th, so if possible I'd like to have a clean label by the 19th.

Thanks,
Julie

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This message may contain confidential information. If you are not the designated recipient, please notify the sender immediately, and delete the original and any copies. Any use of the message by you is prohibited.

Label Comments for 100-RLET (Vibrance CMaxx), sent via email 5/13/14

1. The label does not explicitly state whether the product is for commercial and/or on-farm use. It is recommended that you add a statement such as "For commercial or on-farm use."
2. Under the PPE section, you do not need to list the selection category. It is sufficient to list the materials. (Per the Label Review Manual).
3. Under the Pollinator Precautions section, add the following statement: "Thiamethoxam is highly toxic to bees, and effects are possible as a result of exposure to translocated residues in blooming crops."
4. Because the product can be used on-farm, you must add a Use Restrictions section under the Directions for Use, with the same restrictions from the seed bag. The seed bag restrictions are only used by someone who buys bagged seed, but on-farm seed treaters must follow the same restrictions.
 - Do not use treated seed for feed, food, or oil purposes.
 - Store treated seed away from feeds and foodstuffs.
 - Wear long-sleeved shirt, long pants and chemical resistant gloves when handling treated seed.
 - Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
 - Do not allow children, pets, or livestock to have access to treated seed.
 - Dispose of all excess treated seed. Leftover seed.....
 - Do not contaminate....
 - Dispose of seed packaging...
 - Treated seed must be planted into the soil....
 - For seed treated with Vibrance CMaxx, do not graze...
 - Do not make soil or foliar applications of products containing thiamethoxam to crops grown from seed treated with Vibrance CMaxx.
 - Do not use at a rate that will result in more than 0.05 lb thiamethoxam per acre (22.7 grams ai/A) per year as a seed treatment application.
 - Excess treated seed....
 - [Rotational Crop Info]
5. On page 6, under Product Information, revise the second to last sentence to read, "Do not exceed any label dosage and follow the most restrictive label precautions and limitations."
6. On page 7, under the Pollinator Precaution on the seed bag, add "Thiamethoxam is highly toxic to bees, and effects are possible as a result of exposure to translocated residues in blooming crops."
7. On page 7, under the seed bag, delete the reference to "CruiserMaxx." The product name is Vibrance CMaxx.
8. On page 8, under the seed bag, the Agency does not agree with using 15,000 as the average size for all small cereal seeds. Information from different state extension programs suggest that some of the small cereal grains have average seed sizes of 12,000 seeds/lb, while others are closer to 18,000 seeds/lb. If you want to use a single size to express the rate, you should use a high-end estimate (e.g., 12,000 seeds per pound).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

08/APR/2014

MEMORANDUM: Acute Toxicity Data Evaluation Record (DER) for Vibrance CMaxx (EPA/PMRA Worshare)

Subject: Name of Pesticide Product: Vibrance CMaxx
EPA File Symbol: 100-RLET
DP Barcode: D415817
Decision No.: 483052
Action Code: R314
PC Codes: 128847 Difenoconazole, 071503 Fludioxonil
060109 Thiamethoxam, 129223 Sedaxane
113502 Metalaxyl-M (Mefenoxam)

From: Tracy Keigwin, Biologist
Technical Review Branch
Registration Division (7505P) *Tracy Keigwin*

Through: Bonaventure Akinlosotu, Ph.D
Technical Review Branch
Registration Division (7505P) *Bonaventure Akinlosotu*

To: Julie Chao/Venus Eagle, RM Team 01
Insecticide Rodenticide Branch
Registration Division (7505P)

Applicant: Syngenta Crop Protection LLC
P.O. Box 18300
410 Swing Road
Greensboro, NC 27419-8300

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
Thiamethoxam	5.75
Difenoconazole	3.45
Mefenoxam	0.86
Fludioxonil	0.72
Sedaxane	1.44
<u>Other Ingredient(s):</u>	<u>87.78</u>

Total: 100.00%

BACKGROUND: Syngenta Crop Protection, LLC has submitted an application for the registration of EPA File Symbol 100-RLET, Vibrance CMaxx. In support of their application the registrant has submitted the following acute toxicity studies: MRID Nos. 49120209 (870.1100), 49120210 (870.1200), 49120211 (870.1300), 49120212 (870.2400), 49120212 (870.2500) and 49120214 (870.2600). The product label states that Vibrance CMaxx is a seed treatment product for protection against damage from certain insects and diseases of small grains.

Note that this submission is part of a workshare effort between USEPA and Canada's PMRA.

GLP: All studies were conducted in accordance with GLP.

DEFICIENCIES: None

COMMENTS AND RECOMMENDATIONS:

1) The 6 submitted studies are acceptable. The acute toxicity profile and data summary for EPA File Symbol 100-RLEI, Helix Vibrance is as follows:

Type of Study	Tox Category	Species	Results	MRID
acute oral toxicity	IV	Rat	LD ₅₀ > 5000 mg/kg bw	49120209
acute dermal toxicity	IV	Rat	LD ₅₀ > 5000 mg/kg bw	49120210
acute inhalation toxicity	IV	Rat	LC ₅₀ > 2.59 mg/L	49120211
primary skin irritation	IV	Rabbit	Slightly irritating	49120212
primary eye irritation	IV	Rabbit	Slightly irritating	49120213
dermal sensitization (LLNA)	Negative	Mouse	Not a sensitizer	49120214

2) The product chemistry team must approve the proposed Basic CSF (dated 8-5-2013) before this action can be finalized.

3) The following are the precautionary and first aid statements for this product:

PRODUCT ID #: 100-RLET (100-1527)

PRODUCT NAME: Vibrance CMaxx

PRECAUTIONARY STATEMENTS

SIGNAL WORD: CAUTION

Hazards to Humans and Domestic Animals:

Wear: Long-sleeved shirt and long pants, Socks, Shoes.

USER SAFETY RECOMMENDATIONS:

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

DATA EVALUATION RECORD (OECD dossier format)

B.6.11 **Acute Toxicity of the Preparations (OECD Annex IIIA 7.1; PMRA DACO 4.6)**

B.6.11.1: **IIIA 7.1.1; 4.6.1**

Study type: Acute Oral Toxicity – Rat (Acute Toxic Class Method)

Guidelines: U.S. EPA - OPPTS 870.1100; OECD 425

Test Material: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/
(Purity) Sedaxane FS (A20307A):

Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L

Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L

Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L

Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L

Sedaxane: 1.48 (%wt/wt) or 15.9 g/L

Synonyms: Vibrance CMaxx

Citation: Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M
(Mefenoxam)/Sedaxane FS (A20307A) - Acute Oral Toxicity Up and Down
Procedure in Rats - Limit Test. Final Report: Project Number: TK0067823/OCR,
36406. Unpublished study prepared by Eurofins/Product Safety Laboratories.
18p. MRID 49120209

Sponsor: Syngenta Crop Protection, LLC
P.O. Box 18300, 410 Swing Road
Greensboro, NC 27419-8300

Compliance: Signed and dated GLP, Quality Assurance, and Data Confidentiality statements
were provided.

EXECUTIVE SUMMARY

In an acute oral toxicity study (MRID 49120209), 3 fasted female 10-11 week old Sprague-Dawley derived, albino rats received a single oral gavage dose of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) [Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt)

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L; Red opaque liquid] using the Up and Down Procedure. The dose level evaluated was 5000 mg/kg bw (limit test) Animals were observed for clinical signs for several hours following dosing and daily for 14 days or until death. Animals were weighed prior to dosing and again on study day 7 and 14 or following death. Animals were euthanized following the 14 day observation. Gross necropsies were conducted at study termination.

All animals survived. All animals exhibited irregular respiration, hypoactivity, abnormal posture, ano-genital staining, soft feces and/or reduced fecal volume following exposure. With one exception, no clinical signs were observed by study day 7. One animal (1/3) exhibited an ocular discharge on study day 6 and facial alopecia between study days 7 and 14. No gross abnormalities were observed in any of the animals at necropsy.

The acute median lethal oral dose (LD₅₀) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is greater than 5000 mg/kg bw. Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is uncategorized according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA, and under the conditions of this study, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is classified as Toxicity Category IV for acute oral toxicity.

This study is classified as acceptable, and satisfies the guideline requirement for an acute oral toxicity study (OPPTS 870.1100; OECD 425) in the rat.

I. MATERIALS AND METHODS

A. Materials:

Test Material/Substance:	Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)
Description/Appearance:	Red, opaque liquid
Lot/Batch number:	686350
Storage Condition:	Room temperature
Purity:	Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L
CAS#:	Difenoconazole: 119446-68-3; Fludioxonil: 131341-86-1; Thiamethoxam: 153719-23-4; Metalaxyl-M (Mefenoxam): 70630-17-0 Sedaxane: 874967-67-6

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

Test Material/Substance: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M
(Mefenoxam)/Sedaxane FS (A20307A)

Vehicle: None (administered as received)

Positive control: None

Stability of test compound: Stable for duration of testing

Test Animals:

Species: Rat

Strain: Sprague-Dawley derived, albino

Age/weight at dosing: 10-11 weeks / 195-211 grams

Source: Harlan Laboratories, Inc.

Housing: Housed singly in suspended steel cages with mesh floors.

Acclimation period: 17-21 days

Diet: Harlan Teklad Global 16% Protein Rodent Diet® #2016. Free access to food except during fasting.

Water: Filtered tap water (*ad libitum*)

Environmental conditions Temperature: 19-22°C

Humidity: 32-68%

Air changes: 13/hour

Photoperiod: 12 hours light / 12 hours dark

B. Study Design and Methods:

1. Study Experimental dates - Start: April 26, 2013 End: May 14, 2013

2. Animal assignment and treatment

Prior to dosing, test animals were weighed and fasted overnight. On the day of dosing the respective test substance concentrations (based on animal body weights and the density of the test substance) were administered to test animals via a stainless steel ball-tipped gavage needle attached to a syringe. Animals were observed for clinical signs, with particular attention to the observation of salivation, convulsions, tremors, diarrhea, and coma, for several hours following dosing and daily for 14 days or until death. Animals were weighed prior to dosing and again on study day 7 and 14. Animals were euthanized following the 14 day observation. Gross necropsies included an examination of the tissues and organs of the thoracic and abdominal cavities.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

II. RESULTS

All animals survived. All animals exhibited irregular respiration, hypoactivity, abnormal posture, ano-genital staining, soft feces and/or reduced fecal volume following exposure. With one exception, no clinical signs were observed by study day 7. One animal (1/3) exhibited an ocular discharge on study day 6 and facial alopecia between study days 7 and 14. No gross abnormalities were observed in any of the animals at necropsy.

III. DISCUSSION

Investigator's Conclusions: The acute median lethal oral dose (LD_{50}) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) was demonstrated to be greater than 5000 mg/kg bw. EPA Toxicity Category IV.

Reviewer's Conclusions: Agree with the study author. Based on the conditions of this study the acute median lethal oral dose (LD_{50}) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is greater than 5000 mg/kg bw. Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is uncategorized according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA, and under the conditions of this study, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is classified as Toxicity Category IV for acute oral toxicity.

This study is classified as acceptable, and satisfies the guideline requirement for an acute oral toxic class study (OPPTS 870.1100; OECD 425) in the rat.

Deficiencies: None

*Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin*

*Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6*

08/APR/2014

B.6.11.2: IIIA 7.1.2; 4.6.2

Study type: Acute Dermal Toxicity – Rat

Guidelines: U.S. EPA - OPPTS 870.1200; OECD 402

Test Material: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/
(Purity) Sedaxane FS (A20307A):

Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L

Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L

Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L

Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L

Sedaxane: 1.48 (%wt/wt) or 15.9 g/L

Synonyms: Vibrance CMaxx

Citation: Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M
(Mefenoxam)/Sedaxane FS (A20307A) - Acute Dermal Toxicity in Rats: Final
Report. Project Number: TK0067826/OCR, 36407. Unpublished study
prepared by Eurofins/Product Safety Laboratories. 19p. MRID 49120210

Sponsor: Syngenta Crop Protection, LLC
P.O. Box 18300, 410 Swing Road
Greensboro, NC 27419-8300

Compliance: Signed and dated GLP, Quality Assurance, and Data Confidentiality statements
were provided.

EXECUTIVE SUMMARY

In an acute dermal toxicity study (MRID 49120210), 5 male and 5 female Sprague-Dawley derived, albino rats (8 weeks of age) were dermally exposed to a single application of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) [Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L; Red opaque liquid]. A dose of 5000 mg/kg bw was applied to a clipped area of test animals and covered with a gauze patch and other binding materials for 24 hours. Animals were observed for clinical abnormalities, dermal irritation and body weight changes for 14 days following application.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

All animals survived and gained bodyweight. Mechanical damage from unwrapping was observed around the dose site of 3 males (3/5) and 4 females (4/5) between study days 1 – 4. No other clinical findings or dermal irritation were observed. No gross abnormalities were observed at necropsy.

The acute median lethal dermal dose (LD₅₀) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) was demonstrated to be greater than 5000 mg/kg bodyweight. Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is uncategorized according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA, and under the conditions of this study, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is classified as Toxicity Category IV for acute dermal toxicity.

This study is classified as acceptable, and satisfies the guideline requirement for an acute dermal toxicity study (OPPTS 870.1200; OECD 402) in the rat.

II. MATERIALS AND METHODS

B. Materials:

Test Material/Substance: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)

Description/Appearance: Red, opaque liquid

Lot/Batch number: 686350

Storage Condition: Room temperature

Purity: Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L

CAS#: Difenoconazole: 119446-68-3; Fludioxonil: 131341-86-1; Thiamethoxam: 153719-23-4; Metalaxyl-M (Mefenoxam): 70630-17-0 Sedaxane: 874967-67-6

Vehicle: None (administered as received)

Positive control: None

Stability of test compound: Stable for duration of testing

Test Animals:

Species: Rat

Strain: Sprague-Dawley derived, albino singly

Age/weight at dosing: 8 weeks /males 222-237g; females 171-186g

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET

Acute Toxicity (B.6.11)

Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);

OECD IIIA 7.1; PMRA DACO 4.6

Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)

Reviewer: T. Keigwin

08/APR/2014

Test Animals:

Source: Harlan Laboratories, Inc.
Housing: Housed singly in suspended steel cages with mesh floors.
Acclimation period: 7 days
Diet: Harlan Teklad Global 16% Protein Rodent Diet® #2016. Free access to food.
Water: Filtered tap water (*ad libitum*).
Environmental conditions Temperature: 19-23°C
Humidity: 41-60%
Air changes: 11 and 13/hour
Photoperiod: 12 hours light / 12 hours dark

B. Study Design and Methods:

1. Study Experimental dates - Start: April 22, 2013 End: May 14, 2013

2. Animal assignment and treatment

On the day prior to study initiation the dorsal and trunk area of test animals was clipped. On the day of study initiation a 5000 mg/kg dose of the test substance was applied evenly to a 2 x 3 inch area (approximately 10% body surface area) and covered with a gauze pad. The gauze pad and trunk of the animal was wrapped with tape to reduce movement of the gauze pad and decrease test substance loss. After 24 hours all binding materials were removed and the test sites washed to remove any residual test substance. Animals were observed for clinical signs, with particular attention to the observation of salivation, convulsions, tremors, diarrhea, and coma, for several hours following dosing and daily for 14 days or until death. Animals were weighed prior to dosing and again on study day 7 and 14 or following death. Animals were euthanized following the 14 day observation. Gross necropsies of the animals included an examination of the tissues and organs of the thoracic and abdominal cavities.

II. RESULTS

All animals survived and gained bodyweight. Mechanical damage from unwrapping was observed around the dose site of 3 males (3/5) and 4 females (4/5) between study days 1 – 4. No other clinical findings or dermal irritation were observed. No gross abnormalities were observed at necropsy.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET

Acute Toxicity (B.6.11)

Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);

OECD IIIA 7.1; PMRA DACO 4.6

Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)

Reviewer: T. Keigwin

08/APR/2014

III. DISCUSSION

Investigator's Conclusions: The acute median lethal dermal dose (LD_{50}) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) was demonstrated to be greater than 5000 mg/kg bw. EPA Toxicity Category IV.

Reviewer's Conclusions: Agree with the study author. Based on the conditions of this study the acute median lethal dermal dose (LD_{50}) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is greater than 5000 mg/kg bw. This equates to Category IV according to the U.S. EPA, or is uncategorized according to the United Nation's (2005) Globally Harmonized System (GHS).

This study is classified as acceptable, and satisfies the guideline requirement for an acute dermal toxicity study (OPPTS 870.1200; OECD 402) in the rat.

Deficiencies: None

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET

Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);

Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)

Reviewer: T. Keigwin

Acute Toxicity (8.6.11)

OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

B.6.11.3: IIIA 7.1.3; 4.6.3

Study type: Acute 4 Hour (Nose Only) Inhalation Toxicity – Rat

Guidelines: U.S. EPA - OPPTS 870.1300; OECD 403

Test Material: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/
(Purity) Sedaxane FS (A20307A):

Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L

Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L

Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L

Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L

Sedaxane: 1.48 (%wt/wt) or 15.9 g/L

Synonyms: Vibrance CMaxx

Citation: Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)- Acute Inhalation Toxicity in Rats – Final Report. Project Number: TK0067828/OCR, 36408. Unpublished study prepared by Eurofins/Product Safety Laboratories. 27p. MRID 49120211

Sponsor: Syngenta Crop Protection, LLC
P.O. Box 18300, 410 Swing Road
Greensboro, NC 27419-8300

Compliance: Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.

EXECUTIVE SUMMARY

In this acute inhalation toxicity study, 5 male and 5 female Sprague-Dawley derived, albino rats (8-9 weeks of age) were exposed "nose-only" via the inhalation route for four hours and 3 minutes to Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) [Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L; Red opaque liquid] at gravimetric concentrations of 2.59 mg. Animals were observed for clinical abnormalities during exposure and for 14 days following exposure. Body weight measurements were conducted prior to exposure and again on study days 1, 3, 7 and 14. Animals were euthanized on study day 14. Gross necropsies were performed on all animals.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Kelgwin

Acute Toxicity (B.6.11):
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

All animals survived. All animals exhibited abnormal respiration following exposure and one male (1/5) exhibited hypoactivity. All recovered by study day 5. All lost weight on study day 1, however all exceeded their initial bodyweight by study termination. No gross abnormalities were observed at necropsy. The mean MMAD and GSD were 2.49 μ m and 2.33 respectively for this exposure.

The acute median lethal inhalation concentration (LC₅₀) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) was demonstrated to be greater than 2.59 mg/L and consequently in Category 4 according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA this product is category IV for acute inhalation toxicity.

This acute inhalation study is classified as acceptable, and satisfies the guideline requirement for an acute inhalation toxicity study (OPPTS 870.1300; OECD 403) in the rat.

MATERIALS AND METHODS

C. Materials:

Test Material/Substance:	Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)
Description/Appearance:	Red, opaque liquid
Lot/Batch number:	686350
Storage Condition:	Room temperature
Purity:	Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L
CAS#:	Difenoconazole: 119446-68-3; Fludioxonil: 131341-86-1; Thiamethoxam: 153719-23-4; Metalaxyl-M (Mefenoxam): 70630-17-0 Sedaxane: 874967-67-6
Vehicle:	None (administered as received)
Positive control:	None
Stability of test compound:	Stable for duration of testing

Test Animals:

Species:	Rat
Strain:	Sprague-Dawley derived, albino
Age/weight at dosing:	8-9 weeks /males 226-243g; females 172-198g
Source:	Harlan Laboratories, Inc.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

Test Material/Substance:	Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)
Housing:	Housed singly in suspended steel cages with mesh floors.
Acclimation period:	8 days
Diet:	Harlan Teklad Global 16% Protein Rodent Diet® #2016. Free access to food except during exposure.
Water:	Filtered tap water (<i>ad libitum</i>).
Environmental conditions	<u>Temperature:</u> 19-22°C <u>Humidity:</u> 40-60% <u>Air changes:</u> 11 and 13/hour <u>Photoperiod:</u> 12 hours light / 12 hours dark

B. Study Design and Methods:

1. Study Experimental dates - Start: April 25, 2013 End: May 9, 2013

2. Animal assignment and treatment:

Five male and ten female Sprague-Dawley derived, albino rats (8-9 weeks of age) were exposed "nose-only" via the inhalation route for four hours and 3 minutes to Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) at a gravimetric concentration of 2.59 mg. Animals were observed for mortality during exposure. Following exposure, animals were observed at least once daily for clinical signs, with particular attention to the observation of salivation, convulsions, tremors, diarrhea, and coma. Animals were weighed prior to initial exposure and again on study days 1, 3, 7 and 14. Animals were euthanized on study day 14. Gross necropsies were performed on all animals and included an examination of the tissues and organs of the thoracic and abdominal cavities.

II. RESULTS

All animals survived. All animals exhibited abnormal respiration following exposure and one male (1/5) exhibited hypoactivity. All recovered by study day 5. All lost weight on study day 1, however all exceeded their initial bodyweight by study termination. No gross abnormalities were observed at necropsy. The mean MMAD and GSD were 2.49 µm and 2.33 respectively for this exposure.

The acute median lethal inhalation concentration (LC₅₀) of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) was demonstrated to be greater than 2.59 mg/L and consequently in Category 4 according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA this product is category IV for acute inhalation toxicity.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET

Acute Toxicity (B.6.11)

Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);

OECD IIIA 7.1; PMRA DACO 4.6

Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)

Reviewer: T. Keigwin

08/APR/2014

III. CONCLUSIONS/DISCUSSION

Investigator's Conclusions: The study author states that the LC₅₀ of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is greater than 2.59 mg/L in male and female rats.

Reviewer's Conclusions: Agree with the study author. Under the conditions of this study the acute inhalation LC₅₀ for Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is greater than 2.59 mg/L in male and female rats; and consequently in Category 4, according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA this product is category IV for acute inhalation toxicity.

This acute inhalation study is classified as acceptable, and satisfies the guideline requirement for an acute inhalation toxicity study (OPPTS 870.1300; OECD 403) in the rat.

Deficiencies/Deviations: None

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

B.6.11.4: IIIA 7.1.4; 4.6.4

Study type: Primary Skin Irritation – Rabbit

Guidelines: U.S. EPA - OPPTS 870.2500; OECD 404

Test Material: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/
(Purity) Sedaxane FS (A20307A):

Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L

Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L

Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L

Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L

Sedaxane: 1.48 (%wt/wt) or 15.9 g/L

Synonyms: Vibrance CMaxx

Citation: Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M
(Mefenoxam)/Sedaxane FS (A20307A) - Primary Skin Irritation in Rabbits: Final
Report. Project Number: TK0067824/OCR, 36410. Unpublished study
prepared by Eurofins/Product Safety Laboratories. 18p. MRID 49120212

Sponsor: Syngenta Crop Protection, LLC
P.O. Box 18300, 410 Swing Road
Greensboro, NC 27419-8300

Compliance: Signed and dated GLP, Quality Assurance, and Data Confidentiality statements
were provided.

EXECUTIVE SUMMARY

In a primary dermal irritation study (MRID 49120212), 3 young adult male New Zealand Albino rabbits were dermally exposed to a 0.5mL application of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) [Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L; Red opaque liquid] for a period of 4 hours. The test substance was applied to a clipped area of test animals and covered with a gauze patch and other binding materials. Animals were observed for erythema, edema or other signs of dermal irritation or corrosion at 1, 24, 48 and 72 hours and additionally at 7 days after patch removal.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

No edema was observed. Grade 1 erythema was observed in all animals at the 24 hour observation through the 72 hour observation. All scores were "0" by the day 7 observation. In addition to the irritation discussed above, 1/3 exhibited a faint red staining at the dose site at the day 7 observation. The Primary Dermal Irritation Index for Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is 0.8.

Based on study results Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is unclassified according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA this product is category IV for primary dermal irritation

This study is classified as acceptable, and satisfies the guideline requirement for the primary skin irritation study (OPPTS 870.2500; OECD 404) in the rabbit.

I. MATERIALS AND METHODS

A. Materials:

Test Material/Substance:	Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)
Description/Appearance:	Red, opaque liquid
Lot/Batch number:	686350
Storage Condition:	Room temperature
Purity:	Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L
CAS#:	Difenoconazole: 119446-68-3; Fludioxonil: 131341-86-1; Thiamethoxam: 153719-23-4; Metalaxyl-M (Mefenoxam): 70630-17-0; Sedaxane: 874967-67-6
Vehicle:	None (administered as received)
Positive control:	None
Stability of test compound:	Stable for duration of testing

Test Animals:

Species:	Rabbit
Strain:	New Zealand albino
Age/weight at dosing:	Young adult males (specific age and weigh not provided)
Source:	Robinson Services, Inc.
Housing:	Housed singly in suspended steel cages with mesh floors.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (8.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

Test Animals:

Acclimation period: 6 days
Diet: Harlan Teklad Global High Fiber Rabbit Diet® #2031, approximately 150g/day.
Water: Filtered tap water (*ad libitum*)
Environmental conditions Temperature: 19-22°C
Humidity: 30-86%
Air changes: 12/hour
Photoperiod: 12 hours light / 12 hours dark

B. Study Design and Methods:

1. Study Experimental dates - Start: May 14, 2013 End: May 21, 2013

2. Animal assignment and treatment:

On the day prior to study initiation the dorsal and trunk area of test animals was clipped. On the day of study initiation the test substance was applied to a clipped area of the dorsal area and trunk of the test animals and covered with a 1 inch x 1 inch gauze patch. The gauze pad and trunk of the animal was wrapped with tape to reduce movement of the gauze pad and decrease test substance loss. Elizabethan collars were placed on each rabbit and they were returned to their cages.

After 4 hours all binding materials were removed and the test sites washed to remove any residual test substance. Animals were observed for Erythema, edema, or other signs of dermal irritation or corrosion at 1, 24, 48 and 72 hours and additionally 7 days after patch removal.

II. RESULTS

No edema was observed. Grade 1 erythema was observed in all animals at the 24 hour observation through the 72 hour observation. All scores were "0" by the day 7 observation. In addition to the irritation discussed above, 1/3 exhibited a faint red staining at the dose site at the day 7 observation. The Primary Dermal Irritation Index for Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is 0.8.

III. CONCLUSIONS/DISCUSSION

Investigator's Conclusions:

Based on the conditions of the study and the degree of dermal irritation observed, the study author determined that Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET

Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)

Reviewer: T. Keigwin

Acute Toxicity (B.6.11)

OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

(Mefenoxam)/Sedaxane FS (A20307A) was slightly irritating to the skin and designated Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) as EPA Toxicity Category IV for primary dermal irritation.

Reviewer's Conclusions:

Agree with the study author. Under the conditions of this study, and in accordance with the Globally Harmonized System (GHS) criteria, the test substance is uncategorized for primary skin irritation. According to the U.S. EPA, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is considered "slightly irritating" and classified in Toxicity Category IV for primary dermal irritation.

This study is classified as acceptable, and satisfies the guideline requirement for the primary skin irritation study (OPPTS 870.2500; OECD 404) in the rabbit.

Deficiencies/Deviations: None

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

B.6.11.5: **IIIA 7.1.5; 4.6.5**

Study type: Primary Eye Irritation – Rabbit

Guidelines: U.S. EPA - OPPTS 870.2400; OECD 405

Test Material: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/
(Purity) Sedaxane FS (A20307A):

Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L

Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L

Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L

Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L

Sedaxane: 1.48 (%wt/wt) or 15.9 g/L

Synonyms: Vibrance CMaxx

Citation: Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M
(Mefenoxam)/Sedaxane FS (A20307A) - Primary Eye Irritation in Rabbits: Final
Report. Project Number: TK0067827/OCR, 36409. Unpublished study
prepared by Eurofins/Product Safety Laboratories. 20p. MRID 49120213

Sponsor: Syngenta Crop Protection, LLC
P.O. Box 18300, 410 Swing Road
Greensboro, NC 27419-8300

Compliance: Signed and dated GLP, Quality Assurance, and Data Confidentiality statements
were provided.

EXECUTIVE SUMMARY

In a primary eye irritation study (MRID 49120213), the eyes of 3 female young adult New Zealand White rabbits were exposed to 0.1 mL of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) [Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L; Red opaque liquid]. Animals were observed for ocular irritation at 1, 24, 48, and 72 hours post instillation. A fluorescein dye was used at the 24 hour instillation to verify the absence of damage.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

No corneal opacity, iritis or positive signs of conjunctivitis were observed. All scores were zero by the 24 hour observation. A red staining on the fur around the eye was observed in all animals (3/3) from the 1 hour through the 72 hour observation. Maximum Mean Total Score is 3.3.

Based on study results Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is uncategorized according to the United Nation's (2005) Globally Harmonized System (GHS). According to the U.S. EPA this product is category IV for primary eye irritation

This study is classified as acceptable, and satisfies the guideline requirement for the primary eye irritation study (OPPTS 870.2400; OECD 405) in the rabbit.

I. MATERIALS AND METHODS

A. Materials:

Test Material/Substance:	Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)
Description/Appearance:	Red, opaque liquid
Lot/Batch number:	686350
Storage Condition:	Room temperature
Purity:	Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L
CAS#:	Difenoconazole: 119446-68-3; Fludioxonil: 131341-86-1; Thiamethoxam: 153719-23-4; Metalaxyl-M (Mefenoxam): 70630-17-0 Sedaxane: 874967-67-6
Vehicle:	None (administered as received)
Positive control:	None
Stability of test compound:	Stable for duration of testing

Test Animals:

Species:	Rabbit
Strain:	New Zealand Albino
Age/weight at dosing:	Young adult (specific age and weight not provided)
Source:	Robinson Services, Inc.
Housing:	Housed singly in suspended steel cages with mesh floors.
Acclimation period:	5 days

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (8.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

Test Animals:

Diet: Harlan Teklad Global High Fiber Rabbit Diet® #2031, approximately 150g/day.

Water: Filtered tap water (*ad libitum*).

Environmental conditions Temperature: 19-22°C
 Humidity: 57-62%
 Air changes: 14/hour
 Photoperiod: 12 hours light / 12 hours dark

B. Study Design and Methods:

1. Study Experimental dates - Start: May 20, 2013 End: May 23, 2013

2. Animal assignment and treatment:

Prior to study initiation, the eyes of test subjects were examined for eye irritation through the use of a white light and a fluorescein dye procedure. On the day of study initiation, animals received 2-3 drops of ocular anesthetic in both the treated and control eyes prior to test substance instillation. After anesthetic instillation, the lower lid of the right eye of each test animal was pulled away from the eyeball and 0.1 mL of the test substance was instilled. After test substance instillation, the eyelids were held together for approximately 1 second to limit test article loss. Animals were observed for ocular irritation at 1, 24, 48, and 72 hours post instillation. A fluorescein dye was used at the 24 hour instillation to verify the absence of damage.

II. RESULTS

No corneal opacity, iritis or positive signs of conjunctivitis were observed. All scores were zero by the 24 hour observation. A red staining on the fur around the eye was observed in all animals (3/3) from the 1 hour through the 72 hour observation. Maximum Mean Total Score is 3.3.

III. CONCLUSIONS/DISCUSSION

Investigator's Conclusions:

Based on the conditions of the study and the degree of ocular irritation observed, the study author determined that Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) was slightly irritating to the eye and designated Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) as EPA Toxicity Category IV for primary eye irritation.

Reviewer's Conclusions:

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET

Acute Toxicity (B.6.11)

Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);

OECD IIIA 7.1; PMRA DACO 4.6

Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)

Reviewer: T. Keigwin

08/APR/2014

The reviewer agrees with the study author's conclusions. Under the conditions of this study, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is uncategorized in accordance with the Globally Harmonized System (GHS) criteria.

According to the U.S. EPA, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is considered "slightly irritating" and classified in Toxicity Category IV.

This study is classified as acceptable, and satisfies the guideline requirement for the primary eye irritation study (OPPTS 870.2400; OECD 405) in the rabbit.

Deficiencies/Deviations: None

B.6.11.6: IIIA 7.1.6; 4.6.6

Study type: Skin Sensitization Study via the Local Lymph Node Assay - Mice

Guidelines: U.S. EPA - OPPTS 870.2600; OECD 429

Test Material: Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/
(Purity) Sedaxane FS (A20307A):

Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L

Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L

Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L

Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L

Sedaxane: 1.48 (%wt/wt) or 15.9 g/L

Synonyms: Vibrance CMaxx

Citation: Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) - Local Lymph Node Assay (LLNA) in Mice: Final Report. Project Number: TK0067825/OCR, 36411. Unpublished Study prepared by Eurofins/Product Safety Laboratories. 30p. MRID 49120214

Sponsor: Syngenta Crop Protection, LLC
P.O. Box 18300, 410 Swing Road
Greensboro, NC 27419-8300

Compliance: Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.

EXECUTIVE SUMMARY

In a dermal sensitization study (MRID 49020214) with of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) [Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L; Red opaque liquid], 33 female CBA/J mice were tested for a sensitization response using the Local Lymph Node Assay Procedure. Based on an initial screening, test animals received applications undiluted test substance and 25% and 50% w/w mixtures in propylene glycol. A positive control study was run concurrently with the main test using 25% w/w mixture of HCA in propylene glycol.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

No dermal irritation was observed in vehicle control and test substance (25% test substance, 50% test substance and 100% test substance) animals. Four positive control animals (4/5) exhibited grade 1 erythema at the day 2 observation. All positive control animals (5/5) exhibited grade 1-2 erythema and/or edema at the day 3 and day 6 observations, with desquamation additionally being observed in all animals at the day 6 observation. One positive control animal and 6 test animals (2/5 25% concentration, 1/5 50% concentration, 3/5 100% concentration) lost weight during the study. Remaining animals gained weight.

Applications of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) at 25%, 50% and 100% concentration resulted in a Stimulation Index (SI) value of 1.49, 1.74 and 2.06, respectively (An SI value greater than 3 is considered a positive response). The SI value for the positive control substance (25% HCA) was 8.52.

Based on the conditions of this study, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is not considered dermal sensitizer.

This study is classified as acceptable. It does satisfy the guideline requirement for a sensitization study (OPPTS 870.2600; OECD 406, 429) in the local lymph node assay in the mouse.

I. MATERIALS AND METHODS

A. Materials:

Test Material/Substance:	Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A)
Description/Appearance:	Red, opaque liquid
Lot/Batch number:	686350
Storage Condition:	Room temperature
Purity:	Difenoconazole: 3.33 (%wt/wt) or 35.7 g/L; Fludioxonil: 0.73 (%wt/wt) or 7.83 g/L; Thiamethoxam: 5.78 (%wt/wt) or 62.0 g/L; Metalaxyl-M: 0.82 (%wt/wt) or 8.80 g/L; Sedaxane: 1.48 (%wt/wt) or 15.9 g/L
CAS#:	Difenoconazole: 119446-68-3; Fludioxonil: 131341-86-1; Thiamethoxam: 153719-23-4; Metalaxyl-M (Mefenoxam): 70630-17-0 Sedaxane: 874967-67-6
Vehicle:	Propylene glycol
Positive control:	25% w/w mixture of HCA in propylene glycol
Stability of test compound:	Stable for duration of testing

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenoconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

Test Animals:

Species: Mouse
Strain: CBA/J
Age/weight at dosing: Preliminary animals: 8-9 weeks
Test and Control animals: 8-10 weeks, 18.0-22.3 g
Source: Harlan Laboratories, Inc.
Housing: Housed singly in suspended steel cages with mesh floors.
Acclimation period: 7-14 days
Diet: Harlan Teklad Global 16% Protein Rodent Diet® #2016. Free access to food.
Water: Filtered tap water (*ad libitum*).
Environmental conditions Temperature: 20-23°C
Humidity: 49-55%
Air changes: 13/hour
Photoperiod: 12 hours light / 12 hours dark

B. Study Design and Methods:

1. Study Experimental dates – April 22, 2013 End: May 7, 2013
2. Animal assignment and treatment:

Preliminary testing was conducted in order to determine the highest test substance concentration that would not elicit excessive systemic toxicity or localized dermal irritation. The preliminary concentrations tested were 100%, 50%, 25% and a vehicle control. The dilutions for the 50% and 25% concentrations were w/w mixtures in propylene glycol. Two mice per concentration were tested. On the day of preliminary testing, a 25 µL application of vehicle control or test substance dilution was made to the dorsum of both ears of each mouse and spread evenly with the tip of the pipette. This process was repeated on study days 2 and 3. No applications were conducted on study days 4 and 5. On study day 6, based on the degree of dermal irritation observed, the 25%, 50%, and 100% test substance concentrations were selected as the appropriate concentrations to use in the main test.

Twenty five mice were selected for use in the main study (5 vehicle control, 5 positive control and 5 mice for each test substance concentration). Subjects received a dermal application of 25%, 50% or undiluted Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A), vehicle, or 25% HCA to the dorsum of both ears over 3 consecutive days. No applications were conducted on study days 4 and 5. On study day 6, 250 µL of a sterile phosphate buffered saline (PBS; Lot # 051M8212) containing 20 µCi of ³H-methyl

thymidine (Lot # 201207) was intravenously injected into the tail vein of each test animal. At approximately 5 hours after the injection the auricular lymph nodes from test subjects were removed. The lymph nodes from each animal were pooled together and then gently massaged between the frosted ends of two microscopic slides to form a single cell suspension. The slides were rinsed with PBS into a container and the contents of the container transferred to a centrifuge tube and centrifuged for approximately 10 minutes at 1800 rpm, with an RCF (Relative Centrifugal Force) of 498G. This process was repeated twice. "Each time the supernatant was decanted and discarded following each centrifugation. After the second wash, 5 mL of 5% trichloroacetic acid in distilled water was then added to the sediment and the tube was vortexed briefly. The DNA was then precipitated in the 5% TCA at approximately 7.7 – 8.6°C overnight (approximately 18 hours). Following the overnight precipitation of DNA, the tubes were centrifuged again for approximately 10 minutes at 1800 rpm and the supernatant was discarded. The resulting precipitate was resuspended using 1mL of the 5% TCA and transferred to 10 mL of scintillation fluid. Incorporation of ³H-methyl thymidine was measured by B-scintillation counting and expressed as disintegration per minute, minus background dpm".

Animals were observed daily for clinical signs. Observations for dermal irritation were on study days 1, 2, 3, and 6. Subjects were euthanized on study day 6.

II. RESULTS

No dermal irritation was observed in vehicle control and test substance (25% test substance, 50% test substance and 100% test substance) animals. Four positive control animals (4/5) exhibited grade 1 erythema at the day 2 observation. All positive control animals (5/5) exhibited grade 1-2 erythema and/or edema at the day 3 and day 6 observations, with desquamation additionally being observed in all animals at the day 6 observation. One positive control mouse and 6 test animals (2/5 25% concentration, 1/5 50% concentration, 3/5 100% concentration) lost weight during the study. Remaining animals gained weight.

Applications of Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) at 25%, 50% and 100% concentration resulted in a Stimulation Index (SI) value of 1.49, 1.74 and 2.06, respectively (An SI value greater than 3 is considered a positive response). The SI value for the positive control substance (25% HCA) was 8.52.

Based on the conditions of this study, Difenoconazole/Fludioxonil/Thiamethoxam/Metalaxyl-M (Mefenoxam)/Sedaxane FS (A20307A) is not considered dermal sensitizer.

Product Name/EPA File Symbol: Vibrance CMaxx (A20307A)/100-RLET
Technical (Name/PC code): Thiamethoxam (060109); Difenconazole (128847);
Mefenoxam (113502); Fludioxonil (071503); and Sedaxane (129223)
Reviewer: T. Keigwin

Acute Toxicity (B.6.11)
OECD IIIA 7.1; PMRA DACO 4.6

08/APR/2014

III. CONCLUSIONS/DISCUSSION

Investigator's Conclusions:

Based on study results and the system used, the study author has not classified the test substance as a contact dermal sensitizer.

Reviewer's Conclusions:

Agree with the study author. Based on the conditions of this study, MGK 29871 is Unclassified in accordance with the Globally Harmonized System (GHS) criteria. According to the U.S. EPA, MGK 29871 is not considered to be a dermal sensitizer.

This study is classified as acceptable, and satisfies the guideline requirement for the skin sensitization study (OPPTS 870.2600; OECD 429) in the mouse.

Items of Note/Deficiencies/Deviations: None

DATA PACKAGE BEAN SHEET

Date: 01-Nov-2013

Page 1 of 3

Decision #: 483052

DP #: (415817)

PRIA

Parent DP #:

Submission #: 940865

E-Sub #: 4706

*** Registration Information ***

Registration: 100-RLET - Vibrance CMaxx

Company: 100 - SYNGENTA CROP PROTECTION, LLC

Risk Manager: RM 01 - Venus Eagle - (703) 308-8045 Room# PY1 S-7913

Risk Manager Reviewer: Julie Chao JCHAO

Sent Date: _____

PRIA Due Date: 02-Jun-2014

Edited Due Date: _____

Type of Registration: Product Registration - Section 3

Action Desc: (R314) NEW END USE PRODUCT CONTAINING TWO OR MORE REGISTERED ACTIVE IN

Ingredients: See page 3

*** Data Package Information ***

Expedite: ☐ Yes ☒ No

Date Sent: 01-Nov-2013

Due Back: _____

DP Ingredient: See page 3

DP Title: Acute Toxicity

CSF Included: ☒ Yes ☐ No

Label Included: ☒ Yes ☐ No

Parent DP #: _____

Assigned To

Date In

Date Out

Organization: RD / TRB

Last Possible Science Due Date: 02-Jun-2014

Team Name: TOX

Science Due Date: _____

Reviewer Name: _____

Sub Data Package Due Date: _____

Contractor Name: _____

*** Studies Sent for Review ***

Printed on Page 2

*** Additional Data Package for this Decision ***

Can be printed on its own page

*** Data Package Instructions ***

Please review the enclosed acute toxicity data package, submitted by Syngenta Crop Protection in support of a new seed treatment product containing the insecticide thiamethoxam and fungicides difenoconazole, mefenoxam, fludioxonil, sedexane. MRIDs 49120209, 49120210, 49120211, 49120212, 49120213, and 49120214 are available in Documentum under e-submission package #4727. Hard copies of the cover letter, draft label, and proposed CSF (Basic + Alt) are also enclosed. Please let me know if you need any additional information. Thanks.

MRID	MRID Status	Citation Reference	Guideline	85-5 Status
49120209		Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Met (Mefenoxam)/Sedaxane FS (A20307A) - Acute Oral Toxicity Up-and-Down Procedure in Rats - Limit Test: Final Report. Project Number: TK0067823/OCR, 36406. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18p.	870.1100/Acute Oral Toxicity	Pass (20-Sep-2013)
49120210		Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Met (Mefenoxam)/Sedaxane FS (A20307A) - Acute Dermal Toxicity in Rats: Final Report. Project Number: TK0067826/OCR, 36407. Unpublished study prepared by Eurofins/Product Safety Laboratories. 19p.	870.1200/Acute dermal toxicity	Not Reviewed (17-Sep-2013)
49120211		Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Met (Mefenoxam)/Sedaxane FS (A20307A) - Acute Inhalation Toxicity in Rats: Final Report. Project Number: TK0067828/OCR, 36408. Unpublished study prepared by Eurofins/Product Safety Laboratories. 27p.	870.1300/Acute inhalation toxicity	Not Reviewed (17-Sep-2013)
49120212		Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Met (Mefenoxam)/Sedaxane FS (A20307A) - Primary Skin Irritation in Rabbits: Final Report. Project Number: TK0067824/OCR, 36410. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18p.	870.2500/Acute dermal irritation	Not Reviewed (17-Sep-2013)
49120213		Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Met (Mefenoxam)/Sedaxane FS (A20307A) - Primary Eye Irritation in Rabbits: Final Report. Project Number: TK0067827/OCR, 36409. Unpublished study prepared by Eurofins/Product Safety Laboratories. 20p.	870.2400/Acute eye irritation	Not Reviewed (17-Sep-2013)
49120214		Durando, J. (2013) Difenoconazole/Fludioxonil/Thiamethoxam/Met (Mefenoxam)/Sedaxane FS (A20307A) - Local Lymph Node Assay (LLNA) in Mice: Final Report. Project Number: TK0067825/OCR, 36411. Unpublished study prepared by Eurofins/Product Safety Laboratories. 30p.	870.2600/Skin sensitization	Not Reviewed (17-Sep-2013)

DP#: (415817)

*** Product and Data Package Ingredients ***

Decision#: (483052)

PC Code	CAS	Ingredient Name
071503	131341-86-1	Fludioxonil
129223	874967-87-8	Sedaxane
060109	153719-23-4	Thiamethoxam
128847	119446-68-3	Difenoconazole
113502	70630-17-0	Metaxyl-M
128847	119446-68-3	Difenoconazole(3.45%)
113502	70630-17-0	Metaxyl-M(.86%)
060109	153719-23-4	Thiamethoxam(5.75%)
071503	131341-86-1	Fludioxonil(.72%)
129223	874967-87-8	Sedaxane(1.44%)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

September 19, 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

SYNGENTA CROP PROTECTION, LLC
410 SWING ROAD
PO.BOX : 18300
GREENSBORO, NC 27419-8300

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 09-SEP-13. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

Receipt for Section 3

S: 940967

Regulatory Type: Product Registration - Section 3

Application Type: New Registration

Company: 100 SYNGENTA CROP PROTECTION, LLC

Risk Manager: Registration Division, Risk Management Team 20

Product #: 100-RLET

Product Name: Vibrance CMaxx

Override#:

Me Too Section3:

Me Too Product Name:

Application Date: 06-Sep-2013

Front End Date: 12-Sep-2013

FFS Due Date:

OPP Target Date:

Fast Track: ☐

Receipt Description: E-submission # 4727. Application for new product registration.

Form A: ☐

Signature Date:

Resubmission: ☒ Yes ☐ No

Fee For Service: ☒ Yes ☐ No

Billable: ☒ Yes ☐ No

V

OPP Rec'd Date: 09-Sep-2013

Risk Manager Send Date:

Negotiated Due Date:

New Ingredient: ☐

New Ingredient Request Date:

New Ingredient Received Date:

Signature Date:

Form B: ☐

Signature Date:

Print Letter

Enter More Information

Tracking

Receipt Content

Study

CSF

View/Edit

**VOLUME 1 OF 15 OF SUBMISSION
(TRANSMITTAL DOCUMENT)**

1. Name and Address of Submitter

Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419

2. Regulatory Action in Support of which this Package is Submitted

Submission of Application for New Product Registration of Vibrance
CMaxx (A20307A)

3. Transmittal Date

09/06/2013

4. List of Submitted Studies

MRID NUMBER	VOLUME NUMBER	STUDY TITLE	EPA GUIDELINE NUMBER
49120200	1 OF 15	Transmittal Document	N/A
Admin	2 OF 15	PC-13-058 A20307A OECD Document H, , (CGA169374_50745)	N/A
49120201	3 OF 15	A20307A - Document J - Confidential Information, PC-13-057, (A20307A_50029)	830.1550 830.1600 830.1650 830.1670 830.1750
49120206	4 OF 15	A20307A - Physical-Chemical Studies of the Formulation, PC-13-056, (A20307A_50028)	830.6302 830.6303 830.6304 830.6314 830.6315 830.6316 830.6317 830.6319 830.6320 830.7000 830.7300
49120207	5 OF 15	Analytical Method SF-622/1 - Determination of CGA169374, CGA173506, CGA293343, CGA329351, SYN524464 in A20307A, 10515148, (A20307A_50013)	830.1800

49120208	6 OF 15	A20307A - Validation of Analytical Method SF-622/1, 10535861, (A20307A_50012)	830.1800
49120209	7 OF 15	Difenoconazole/Fludioxonil/Thiamethoxam/M etalaxy-M (Mefenoxam)/Sedaxane FS (A20307A) - Acute Oral Toxicity Up-and- Down Procedure in Rats - Limit Test, 36408, (A20307A_50025)	870.1100
49120210	8 OF 15	Difenoconazole/Fludioxonil/Thiamethoxam/M etalaxy-M (Mefenoxam)/Sedaxane FS (A20307A) - Acute Dermal Toxicity in Rats, 36407, (A20307A_50019)	870.1200
49120211	9 OF 15	Difenoconazole/Fludioxonil/Thiamethoxam/M etalaxy-M (Mefenoxam)/Sedaxane FS (A20307A) - Acute Inhalation Toxicity in Rats, 36408, (A20307A_50015)	870.1300
49120212	10 OF 15	Difenoconazole/Fludioxonil/Thiamethoxam/M etalaxy-M (Mefenoxam)/Sedaxane FS (A20307A) - Primary Skin Irritation in Rabbits, 36410, (A20307A_50023)	870.2500
49120213	11 OF 15	Difenoconazole/Fludioxonil/Thiamethoxam/M etalaxy-M (Mefenoxam)/Sedaxane FS (A20307A) - Primary Eye Irritation in Rabbits, 36409, (A20307A_50017)	870.2400
49120214	12 OF 15	Difenoconazole/Fludioxonil/Thiamethoxam/M etalaxy-M (Mefenoxam)/Sedaxane FS (A20307A) - Local Lymph Node Assay (LLNA) in Mice, 36411, (A20307A_50021)	870.2600
49120202	13 OF 15	A20307A - Document MIII, Section 1, PC-13- 054, (A20307A_50026)	Not Applicable
49120203	14 OF 15	A20307A - MIII, Section 2 - Analytical Methods, PC-13-055, (A20307A_50027)	Not Applicable
49120204	15 OF 15	A20307A - Document M-III, Section 3 - Toxicological Studies, (A20307A_50030)	Not Applicable

COMPANY OFFICIAL:

PATRICK MCCAIN
(NAME)


(SIGNATURE)

COMPANY NAME:

SYNGENTA CROP PROTECTION, LLC

COMPANY CONTACT:

PATRICK MCCAIN
(NAME)

(336) 632-7317
(PHONE)

21-Day Screen Completed by
Contractor

21-Day Expires on 9-30-13

Jacket # 100-RLET
MRID# 491202

Content Screen: Recommend to Pass/Fail

11-3 Review: Pass/Fail/NA

Overall Status: Recommend to Pass/Fail

Transfer This Jacket to:

STEPHEN SETTABLE

PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 9-9-13

Experts In-Processing Signature: B.B.

Date 9-13-13

Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date _____

EPA Reg. Number: <u>100-RLET</u>		EPA Receipt Date: <u>9-9-13</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
		X				
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			X		
5	a) Selective Method (Fee category experts use)	yes	no			
		X				
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)			X		
7	Is the data package consistent with PR Notice 86-5			X		
8	Notice of Filing included with petitions					X

9	If applicable for conventional applications, <u>reduced risk rationale</u>			X
	<u>Required Data</u> and/or data waivers. See Footnote C.			
10	a) List study (or studies) not included with application			

Comments:

- * Submitted studies PASSED PRN 11-3 review
- * Inerts approved for feed use under 40 CFR 180.920 - pre harvest application to growing crops
- * Jacket PASSED

sc

MRID: 491202

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the [inert Web site](#) and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the [Chief of Microbial Pesticides Branch](#).

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

Memorandum

E-SUBMISSION

Date: 9/20/13

To: PM 20, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission
☐ partially accepted submission
☐ rejected submission



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 13, 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-483052
EPA File Symbol or Registration Number: 100-RLET
Product Name: Vibrance CMaxx
EPA Receipt Date: 09-Sep-2013
EPA Company Number: 100
Company Name: SYNGENTA CROP PROTECTION, LLC

PATRICK McCain
SYNGENTA CROP PROTECTION, LLC
410 SWING ROAD, PO Box 18300
GREENSBORO, NC 27419-8300

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R314

NEW END USE PRODUCT CONTAINING TWO OR MORE REGISTERED ACTIVE INGREDIENTS NEVER BEFORE REGISTERED AS THIS COMBINATION IN A FORMULATED PRODUCT; NEW PRODUCT LABEL IS IDENTICAL OR SUBSTANTIALLY SIMILAR TO THE LABELS OF CURRENTLY REGISTERED PRODUCTS WHICH SEPARATELY CONTAIN THE RESPECTIVE COMPONENT ACTIVE INGREDIENTS; REQUIRES REVIEW OF DATA PACKAGE WITHIN RD ONLY; INCLUDES DATA AND/OR WAIVERS OF DATA FOR ONLY; PRODUCT CHEMISTRY; ACUTE TOXICITY; PUBLIC HEALTH PEST EFFICACY; CHILD RESISTANT PACKAGING;

No additional payment is due at this time. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,

A handwritten signature in black ink, appearing to be "msh", is written over the word "Sincerely,".

Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service

{940865A~

This package includes the following

☒ New Registration

☐ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr. 20

Receipt No.

S-

940865

EPA File Symbol/Reg. No.

100-RLET

Pin-Punch Date:

9/9/2013

☐ This item is NOT subject to FFS action.

Action Code:

Requested:

R314

Granted:

R314

Amount Due: \$ 6009.00

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: E. Feltus

Date: 9/13/13

Remarks:

Contains additional tox. studies. Return to
Steve to re-code as R320(?) if necessary.
see vol. 12-15 on transmittal document.

Receipt for Section 3

S: 940885

Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3

Fee For Service: ☒ Yes ☐ No

Application Type: New Registration

Billable: ☒ Yes ☐ No

Company: 100 SYNGENTA CROP PROTECTION, LLC

V

Risk Manager: Registration Division, Risk Management Team 20

Product #: 100-RLET Product Name: Vibrance CMaxx

Override#:

Me Too Section3: Me Too Product Name:

Application Date: 06-Sep-2013

OPP Rec'd Date: 09-Sep-2013

Front End Date: 10-Sep-2013

Risk Manager Send Date:

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Receipt Content

Fast Track: ☐ New Ingredient: ☐

View/Edit

Receipt Description:

Associated with e-Submission pkg 4706. Application for a new seed treatment product

Form A: ☐ Signature Date:

Form B: ☐ Signature Date:

New Ingredient Request Date:

New Ingredient Received Date:

Study

CSF

Print Letter

Enter More Information

Tracking

E-SUBMISSION



NEW APPLICATIONS

DATE: SEP - 9 2013

FILE REG NUMBER: 100 - RLET

FEP (OPPIN ENTRY) GM-LV SEP - 9 2013

(Initial & Date)

FILE ROOM: _____

(Initial & Date)

SIG: _____

(Initial & Date)

FILE ROOM: _____

(Initial & Date)

ASSIGN TO PM: AD ✓ RD 20 BPPD _____

_____ JACKET TO SHELF (data)

Rutledge Stephanie (ext) USGR

From: paygovadmin@mail.doc.twai.gov
Sent: Thursday, August 29, 2013 2:55 PM
To: Rutledge Stephanie (ext) USGR
Subject: Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions or you wish to cancel this payment, please contact Pay.gov Customer Service by phone at (800) 624-1373 or by email at pay.gov.clev@clev.frb.org.

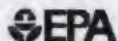
Application Name: PRIA Service Fees
Pay.gov Tracking ID: 25C5VMC7
Agency Tracking ID: 74497120648
Transaction Type: Sale
Transaction Date: Aug 29, 2013 2:54:38 PM

Account Holder Name: Janis McFarland
Transaction Amount: \$6,009.00
Billing Address: P.O. Box 18300
City: Greensboro
State/Province: NC
Zip/Postal Code: 27419
Country: USA
Card Type: Visa
Card Number: *****4035

Decision Number:
Registration Number: 100-xxxx
Company Name: Syngenta Crop Protection
Company Number: 100
Action Code: R314

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

E-SUBMISSION



United States
Environmental Protection Agency
 Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 100-XXXX	2. EPA Product Manager Ms. Shaja Joyner	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Vibrance® CMaxx	PM# 20	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, LLC P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Syngenta Crop Protection, LLC respectfully submits an application for a new seed treatment product called Vibrance® CMaxx for use on small-grain cereals through a Joint Review between EPA and PMRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
*Certification must be submitted		If "Yes" Unit Packaging wgt. No. per Container	If "Yes" Unit Packaging wgt. No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5 gal, 15 gal, Bulk		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other <u>Pressure Sensitive</u>	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Patrick McCain		Title Sr. Regulatory Product Manager		Telephone No. (Include Area Code) (336) 632-7317	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Sr. Regulatory Product Manager			
4. Typed Name Patrick McCain		5. Date September 6, 2013			

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

E-SUBMISSION



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M STREET, S.W.

WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Syngenta Crop Protection, LLC Box18300 Greensboro NC 27419	EPA Registration Number/File Symbol 100-XXXX
Active Ingredient(s) and/or representative test compound(s) Thiamethoxam, Sedaxane, Mefenoxam, Difenconazole, Fludioxonil	Date 9-6-2013
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food	Product Name Vibrance® CMaxx

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-in Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application to the extent required by FIFRA.

SECTION III: CERTIFICATION

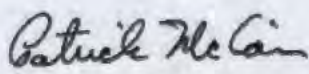
I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 9-6-2013	Typed or Printed Name and Title Patrick McCain, Sr. Regulatory Product Manager, Seed Care
--	------------------	--

EPA Form 8570-34 (9-97) Electronic and Paper versions available. Submit only Paper version.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

401 M Street
WASHINGTON, D.C. 20460

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-XXXX		Page 1 of 3	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Vibrance® CMaxx			
Ingredient: Thiamethoxam, Difenoconazole, Mefenoxam, Sedaxane, Fluduioxonil					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Document MIII, Section 1	Document MIII, Section 1, PC-13-054, (Summary of p	49120202	SYNGENTA	OWN	
Document MIII, Section 2	Document MIII, Section 2, Analytical Methods	49120203	SYNGENTA	OWN	
Document MIII, Section 3	Document MIII, Section 3, Toxicological Studies	49120204	SYNGENTA	OWN	
Cite-All	Cite-All	Cite-All (AHE	AGRICULTURAL HAN	PER	
Cite-All	Cite-All	Cite-All (ART	AGRICULTURAL REE	PER	
Cite-All	Cite-All	Cite-All (FES	FIFRA ENDANGERED	PER	
Cite-All	Cite-All	Cite-All (ORE	OUTDOOR RESIDENT	PER	
Cite-All	Cite-All	Cite-All (SDT	SPRAY DRIFT TF	PER	
Cite-All	Cite-All	Cite-All (UST	U.S. TRIAZOLE TASK	PER	
830.1550	Product identity and composition	49120201	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	49120201	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013

E-SUBMISSION



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

401 M Street
WASHINGTON, D.C. 20460

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-XXXX		Page 3 of 3	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Vibrance® CMaxx			
Ingredient: Thiamethoxam, Difenoconazole, Mefenoxam, Sedaxane, Fludioxonil					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6317	Storage Stability	49120206	SYNGENTA	OWN	
830.6319	Miscibility	49120206	SYNGENTA	OWN	
830.6320	Corrosion characteristics	49120206	SYNGENTA	OWN	
830.7000	pH	49120206	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	49120206	SYNGENTA	OWN	
870.1100	Acute oral toxicity	49120209	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	49120210	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	49120211	SYNGENTA	OWN	
870.2400	Acute eye irritation	49120213	SYNGENTA	OWN	
870.2500	Acute dermal irritation	49120212	SYNGENTA	OWN	
870.2600	Skin sensitization	49120214	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number

Syngenta Crop Protection, LLC Box 18300 Greensboro NC 27419

EPA Registration Number/File Symbol

100-1381

Active Ingredient(s) and/or representative test compound(s)

Sedaxane

Date

9-6-2013

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)

Terrestrial Food

Product Name

Sedaxane Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

9-6-2013

Typed or Printed Name and Title

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

E-SUBMISSION



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-1381	Page 1 of 24
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Sedaxane Technical	

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Cite-All	Cite-All	Cite-All (AHE	AGRICULTURAL HAN	PER	
Cite-All	Cite-All	Cite-All (ART	AGRICULTURAL REE	PER	
Cite-All	Cite-All	Cite-All (FES	FIFRA ENDANGERED	PER	
Cite-All	Cite-All	Cite-All (ORE	OUTDOOR RESIDENT	PER	
Cite-All	Cite-All	Cite-All (SDT	SPRAY DRIFT TF	PER	
Cite-All	Cite-All	Cite-All (UST	U.S. TRIAZOLE TASK	PER	
830.1550	Product identity and composition	47473302	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	47473302	SYNGENTA	OWN	
830.1620	Description of production process	47473302	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	47473302	SYNGENTA	OWN	
830.1700	Preliminary analysis	47473302	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 2 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1700	Preliminary analysis	47473327	SYNGENTA	OWN	
830.1700	Preliminary analysis	48375501	SYNGENTA	OWN	
830.1750	Certified limits	47473302	SYNGENTA	OWN	
830.1800	Enforcement analytical method	47473302	SYNGENTA	OWN	
830.1800	Enforcement analytical method	47473327	SYNGENTA	OWN	
830.1800	Enforcement analytical method	47473328	SYNGENTA	OWN	
830.1800	Enforcement analytical method	47473329	SYNGENTA	OWN	
830.6302	Color	47473326	SYNGENTA	OWN	
830.6303	Physical state	47473326	SYNGENTA	OWN	
830.6304	Odor	47473326	SYNGENTA	OWN	
830.6313	Stability to normal and elevated temperatures, metals,	47473326	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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Date: 9/6/2013	Reg. No:100-1381	Page 3 of 24
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6315	Flammability	47473326	SYNGENTA	OWN	
830.6316	Explosibility	47473326	SYNGENTA	OWN	
830.6317	Storage Stability	47473326	SYNGENTA	OWN	
830.6317	Storage Stability	48372601	SYNGENTA	OWN	
830.6317	Storage Stability	48372601	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48372601	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48372601	SYNGENTA	OWN	
830.7000	pH	47473326	SYNGENTA	OWN	
830.7050	UV/Visible absorption	47473326	SYNGENTA	OWN	
830.7200	Melting point/melting range	47473326	SYNGENTA	OWN	
830.7220	Boiling point/boiling range	47473326	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 4 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7300	Density/relative density/bulk density	47473326	SYNGENTA	OWN	
830.7370	Dissociation constants in water	47473326	SYNGENTA	OWN	
830.7550	Partition coefficient (n-octanol/water), shake flask met	47473326	SYNGENTA	OWN	
830.7840	Water solubility: column elution method, shake flask	47473326	SYNGENTA	OWN	
830.7950	Water solubility, Vapor pressure	47473326	SYNGENTA	OWN	
850.6200	Earthworm subchronic toxicity test	47473493	SYNGENTA	OWN	
870.1100	Acute oral toxicity	47473366	SYNGENTA	OWN	
870.1100	Acute oral toxicity	47746821	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	47473367	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	47473368	SYNGENTA	OWN	
870.2400	Acute eye irritation	47473370	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 5 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.2500	Acute dermal irritation	47473369	SYNGENTA	OWN	
870.2600	Skin sensitization	47473371	SYNGENTA	OWN	
870.3050	Repeated Dose 28 Day Oral Toxicity Study in Rodent	47473373	SYNGENTA	OWN	
870.3050	Repeated Dose 28 Day Oral Toxicity Study in Rodent	47746827	SYNGENTA	OWN	
870.3050	Repeated Dose 28 Day Oral Toxicity Study in Rodent	48836614	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	47473375	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	47473376	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	47473377	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	47473374	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	47473378	SYNGENTA	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	47473380	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 6 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3700	Prenatal developmental toxicity study	47473391	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	47473392	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	47473393	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	47473394	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	47473389	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	47473390	SYNGENTA	OWN	
870.4100	Chronic toxicity	47473379	SYNGENTA	OWN	
870.4200	Carcinogenicity	47473388	SYNGENTA	OWN	
870.4300	Combined chronic toxicity/carcinogenicity	47473386	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	47473381	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	47473401	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-1381	Page 7 of 24
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Sedaxane Technical	

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5100	Bacterial reverse mutation test	47473404	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	47473406	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	47473407	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	47746852	SYNGENTA	OWN	
870.5300	In vitro mammalian cell gene mutation test	47473383	SYNGENTA	OWN	
870.5300	In vitro mammalian cell gene mutation test	47746856	SYNGENTA	OWN	
870.5300	In vitro mammalian cell gene mutation test	48836613	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	47473382	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	47746860	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	48836615	SYNGENTA	OWN	
870.5395	Mammalian erythrocyte micronucleus test	47473384	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 8 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5550	Unscheduled DNA synthesis in mammalian cells in cu	47473385	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	47473395	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	47473396	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	47473397	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	47473398	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	47473355	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	47473356	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	47473357	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	47473358	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	47473359	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	47473360	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-1381	Page 9 of 24
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Sedaxane Technical
Ingredient: Sedaxane		

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.7485	Metabolism and pharmacokinetics	47473362	SYNGENTA	OWN	
870.7800	Immunotoxicity	47473405	SYNGENTA	OWN	
850.4100	Terrestrial plant toxicity, Tier I (seedling emergence)	47473504	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and II	47473491	SYNGENTA	OWN	
850.5100	Soil microbial community toxicity test	47473506	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	47473487	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	47473488	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	47473489	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	47473490	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	47473502	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473305	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 10 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.7100	Data reporting for environmental chemistry methods	47473306	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473342	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473343	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473344	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473345	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473346	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473347	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473348	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473349	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473402	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	47473403	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 11 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.3020	Honey bee acute contact toxicity	47473492	SYNGENTA	OWN	
161-1	Hydrolysis - laboratory	47473318	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	47473319	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	47473446	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	47473447	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	47473444	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	47473445	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	47473448	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	48836612	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	47473468	SYNGENTA	OWN	
162-4	Aerobic Aquatic Metabolism	47473468	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 12 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
163-1	Leaching and adsorption/desorption – laboratory	47473452	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption – laboratory	47473461	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption – laboratory	47473463	SYNGENTA	OWN	
164-1	Soil dissipation – field	47473457	SYNGENTA	OWN	
164-1	Soil dissipation – field	47473458	SYNGENTA	OWN	
164-1	Soil dissipation – field	47473459	SYNGENTA	OWN	
164-1	Soil dissipation – field	48372501	SYNGENTA	OWN	
164-1	Soil dissipation – field	48600801	SYNGENTA	OWN	
835.1230	Leaching and adsorption/desorption	47473462	SYNGENTA	OWN	
835.1230	Leaching and adsorption/desorption	48836611	SYNGENTA	OWN	
835.1240	Leaching and adsorption/desorption	47473466	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 13 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
835.2120	Hydrolysis	47473326	SYNGENTA	OWN	
835.2210	Direct photolysis rate in water by sunlight	47473326	SYNGENTA	OWN	
835.2240	Photodegradation in water	47473326	SYNGENTA	OWN	
835.2370	Photodegradation in air	47473326	SYNGENTA	OWN	
835.2370	Photodegradation in air	47473508	SYNGENTA	OWN	
835.3110	Ready biodegradability	47473467	SYNGENTA	OWN	
835.4100	Aerobic Soil Metabolism (laboratory)	47473448	SYNGENTA	OWN	
835.4100	Aerobic Soil Metabolism (laboratory)	47473449	SYNGENTA	OWN	
835.4100	Aerobic Soil Metabolism (laboratory)	47473451	SYNGENTA	OWN	
835.4100	Aerobic Soil Metabolism (laboratory)	47473456	SYNGENTA	OWN	
835.4200	Anaerobic Soil Metabolism (laboratory)	47473443	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 14 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
835.6100	Terrestrial Dissipation	47473454	SYNGENTA	OWN	
835.6100	Terrestrial Dissipation	47473455	SYNGENTA	OWN	
835.6100	Terrestrial Dissipation	47473503	SYNGENTA	OWN	
860.1000	Background	47473425	SYNGENTA	OWN	
860.1000	Background	47473426	SYNGENTA	OWN	
860.1000	Background	47473429	SYNGENTA	OWN	
860.1000	Background	47473430	SYNGENTA	OWN	
860.1000	Background	47473434	SYNGENTA	OWN	
860.1000	Background	47473435	SYNGENTA	OWN	
860.1000	Background	47473436	SYNGENTA	OWN	
860.1000	Background	47473442	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 15 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1000	Background	48836303	SYNGENTA	OWN	
860.1000	Background	48836304	SYNGENTA	OWN	
860.1000	Background	48836305	SYNGENTA	OWN	
860.1000	Background	48836306	SYNGENTA	OWN	
860.1000	Background	48836307	SYNGENTA	OWN	
860.1000	Background	48836308	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	47473387	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	47473412	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	47473413	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	47473414	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	47473415	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 16 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	47473416	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	47473417	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	47473418	SYNGENTA	OWN	
860.1340	Residue analytical method	47473321	SYNGENTA	OWN	
860.1340	Residue analytical method	47473322	SYNGENTA	OWN	
860.1340	Residue analytical method	47473323	SYNGENTA	OWN	
860.1340	Residue analytical method	47473324	SYNGENTA	OWN	
860.1340	Residue analytical method	47473331	SYNGENTA	OWN	
860.1340	Residue analytical method	47473332	SYNGENTA	OWN	
860.1340	Residue analytical method	47473333	SYNGENTA	OWN	
860.1340	Residue analytical method	47473334	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-1381	Page 17 of 24
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	47473335	SYNGENTA	OWN	
860.1340	Residue analytical method	47473336	SYNGENTA	OWN	
860.1340	Residue analytical method	47473337	SYNGENTA	OWN	
860.1340	Residue analytical method	47473338	SYNGENTA	OWN	
860.1340	Residue analytical method	47473339	SYNGENTA	OWN	
860.1340	Residue analytical method	47473340	SYNGENTA	OWN	
860.1340	Residue analytical method	47473341	SYNGENTA	OWN	
860.1340	Residue analytical method	47473342	SYNGENTA	OWN	
860.1340	Residue analytical method	47473343	SYNGENTA	OWN	
860.1340	Residue analytical method	47473344	SYNGENTA	OWN	
860.1340	Residue analytical method	47473345	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 18 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	47473346	SYNGENTA	OWN	
860.1340	Residue analytical method	47473347	SYNGENTA	OWN	
860.1340	Residue analytical method	47473348	SYNGENTA	OWN	
860.1340	Residue analytical method	47473349	SYNGENTA	OWN	
860.1340	Residue analytical method	47473350	SYNGENTA	OWN	
860.1340	Residue analytical method	47473351	SYNGENTA	OWN	
860.1340	Residue analytical method	47473352	SYNGENTA	OWN	
860.1340	Residue analytical method	47473353	SYNGENTA	OWN	
860.1340	Residue analytical method	47473354	SYNGENTA	OWN	
860.1340	Residue analytical method	47473402	SYNGENTA	OWN	
860.1340	Residue analytical method	47473403	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-1381	Page 19 of 24
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Sedaxane Technical
Ingredient: Sedaxane		

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	47473411	SYNGENTA	OWN	
860.1340	Residue analytical method	48180401	SYNGENTA	OWN	
860.1360	Multiresidue method	47473341	SYNGENTA	OWN	
860.1360	Multiresidue method	47473353	SYNGENTA	OWN	
860.1360	Multiresidue method	48180401	SYNGENTA	OWN	
860.1380	Storage stability data	47473408	SYNGENTA	OWN	
860.1380	Storage stability data	47473409	SYNGENTA	OWN	
860.1380	Storage stability data	47473410	SYNGENTA	OWN	
860.1380	Storage stability data	47473411	SYNGENTA	OWN	
860.1380	Storage stability data	47473460	SYNGENTA	OWN	
860.1380	Storage stability data	48583501	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-1381	Page 20 of 24
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Sedaxane Technical	
Ingredient: Sedaxane		

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1380	Storage stability data	48583502	SYNGENTA	OWN	
860.1480	Meat/milk/poultry/eggs	47473437	SYNGENTA	OWN	
860.1500	Crop field trials	47473330	SYNGENTA	OWN	
860.1500	Crop field trials	47473361	SYNGENTA	OWN	
860.1500	Crop field trials	47473419	SYNGENTA	OWN	
860.1500	Crop field trials	47473420	SYNGENTA	OWN	
860.1500	Crop field trials	47473421	SYNGENTA	OWN	
860.1500	Crop field trials	47473422	SYNGENTA	OWN	
860.1500	Crop field trials	47473423	SYNGENTA	OWN	
860.1500	Crop field trials	47473424	SYNGENTA	OWN	
860.1500	Crop field trials	47473425	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-1381		Page 21 of 24	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Sedaxane Technical			
Ingredient: Sedaxane					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	47473426	SYNGENTA	OWN	
860.1500	Crop field trials	47473429	SYNGENTA	OWN	
860.1500	Crop field trials	47473430	SYNGENTA	OWN	
860.1500	Crop field trials	47473433	SYNGENTA	OWN	
860.1500	Crop field trials	47473434	SYNGENTA	OWN	
860.1500	Crop field trials	47473435	SYNGENTA	OWN	
860.1500	Crop field trials	47473436	SYNGENTA	OWN	
860.1500	Crop field trials	47473439	SYNGENTA	OWN	
860.1500	Crop field trials	48836303	SYNGENTA	OWN	
860.1500	Crop field trials	48836304	SYNGENTA	OWN	
860.1500	Crop field trials	48836305	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 22 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	48836306	SYNGENTA	OWN	
860.1500	Crop field trials	48836307	SYNGENTA	OWN	
860.1500	Crop field trials	48836308	SYNGENTA	OWN	
860.1520	Processed food/feed	47473425	SYNGENTA	OWN	
860.1520	Processed food/feed	47473429	SYNGENTA	OWN	
860.1520	Processed food/feed	47473434	SYNGENTA	OWN	
860.1520	Processed food/feed	47473435	SYNGENTA	OWN	
860.1520	Processed food/feed	48836306	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	47473440	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	47473441	SYNGENTA	OWN	
860.1900	Field accumulation in rotational crops	47473442	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-1381		Page 23 of 24	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Sedaxane Technical			
Ingredient: Sedaxane					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1000	Speical consideration for conducting aquatic laborator	47473428	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	47473482	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	47473483	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	47473501	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	47473499	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	47473476	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	47473477	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	47473478	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	47473479	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	47473498	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	47473486	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-1381

Page 24 of 24

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Sedaxane Technical

Ingredient: Sedaxane

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1400	Fish early-life stage toxicity test	47473480	SYNGENTA	OWN	
850.1500	Fish life cycle toxicity	47473428	SYNGENTA	OWN	
850.1730	Accumulation in fish -- waiver	47473481	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	47473469	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	47473470	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	47473471	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	47473472	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	47473473	SYNGENTA	OWN	
850.2300	Avian reproduction test	47473474	SYNGENTA	OWN	
850.2300	Avian reproduction test	47473475	SYNGENTA	OWN	

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Syngenta Crop Protection, LLC Box18300 Greensboro NC 27419	EPA Registration Number/File Symbol 100-936
Active Ingredient(s) and/or representative test compound(s) Thiamethoxam	Date 9-6-2013
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food	Product Name Thiamethoxam Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

- ☐ I am responding to a Data-Call-in Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

- ☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).
- ☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

- ☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 9-6-2013	Typed or Printed Name and Title Patrick McCain, Sr. Regulatory Product Manager, Seed Care
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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 1 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Cite-All	Cite-All	Cite-All (AHE)	AGRICULTURAL HAN	PER	
Cite-All	Cite-All	Cite-All (ART)	AGRICULTURAL REE	PER	
Cite-All	Cite-All	Cite-All (FES)	FIFRA ENDANGERED	PER	
Cite-All	Cite-All	Cite-All (ORE)	OUTDOOR RESIDENT	PER	
Cite-All	Cite-All	Cite-All (REJ)	RESIDENTIAL EXPOS	PER	
Cite-All	Cite-All	Cite-All (SDT)	SPRAY DRIFT TF	PER	
830 Group A	Product identity and composition, Analysis and certifi	44703304	SYNGENTA	OWN	
830 Group A	Product identity and composition, Analysis and certifi	44862301	SYNGENTA	OWN	
830 Group A	Product identity and composition, Analysis and certifi	46030901	SYNGENTA	OWN	
830 Group B	Group B – Physical/Chemical Properties	44703305	SYNGENTA	OWN	
830.1550	Product identity and composition	47914901	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 2 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1600	Description of materials used to produce the product	47914901	SYNGENTA	OWN	
830.1620	Description of production process	47914901	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	47914901	SYNGENTA	OWN	
830.1700	Preliminary analysis	47436501	SYNGENTA	OWN	
830.1700	Preliminary analysis	47914901	SYNGENTA	OWN	
830.1750	Certified limits	47914901	SYNGENTA	OWN	
830.1800	Enforcement analytical method	47914901	SYNGENTA	OWN	
830.1800	Enforcement analytical method	48468001	SYNGENTA	OWN	
830.1800	Enforcement analytical method	48468201	SYNGENTA	OWN	
830.1800	Enforcement analytical method	48735201	SYNGENTA	OWN	
830.1800	Enforcement analytical method	49070406	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 3 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1800	Enforcement analytical method	49070407	SYNGENTA	OWN	
830.1900	Submittal of samples	48081702	SYNGENTA	OWN	
830.6302	Color	47234702	SYNGENTA	OWN	
830.6302	Color	47914902	SYNGENTA	OWN	
830.6302	Color	47934702	SYNGENTA	OWN	
830.6302	Color	47934903	SYNGENTA	OWN	
830.6302	Color	47962502	SYNGENTA	OWN	
830.6302	Color	47973302	SYNGENTA	OWN	
830.6302	Color	48081702	SYNGENTA	OWN	
830.6302	Color	48381502	SYNGENTA	OWN	
830.6302	Color	48491902	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 4 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6302	Color	48506802	SYNGENTA	OWN	
830.6302	Color	48579702	SYNGENTA	OWN	
830.6302	Color	48644002	SYNGENTA	OWN	
830.6302	Color	48682402	SYNGENTA	OWN	
830.6302	Color	48682502	SYNGENTA	OWN	
830.6302	Color	48758402	SYNGENTA	OWN	
830.6302	Color	48836002	SYNGENTA	OWN	
830.6302	Color	48836202	SYNGENTA	OWN	
830.6302	Color	48836402	SYNGENTA	OWN	
830.6302	Color	49070403	SYNGENTA	OWN	
830.6303	Physical state	47234702	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 5 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6303	Physical state	47914902	SYNGENTA	OWN	
830.6303	Physical state	47934702	SYNGENTA	OWN	
830.6303	Physical state	47934903	SYNGENTA	OWN	
830.6303	Physical state	47962502	SYNGENTA	OWN	
830.6303	Physical state	47973302	SYNGENTA	OWN	
830.6303	Physical state	48081702	SYNGENTA	OWN	
830.6303	Physical state	48381502	SYNGENTA	OWN	
830.6303	Physical state	48491902	SYNGENTA	OWN	
830.6303	Physical state	48506802	SYNGENTA	OWN	
830.6303	Physical state	48579702	SYNGENTA	OWN	
830.6303	Physical state	48644002	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 6 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6303	Physical state	48682402	SYNGENTA	OWN	
830.6303	Physical state	48682502	SYNGENTA	OWN	
830.6303	Physical state	48758402	SYNGENTA	OWN	
830.6303	Physical state	48836002	SYNGENTA	OWN	
830.6303	Physical state	48836202	SYNGENTA	OWN	
830.6303	Physical state	48836402	SYNGENTA	OWN	
830.6303	Physical state	49070403	SYNGENTA	OWN	
830.6304	Odor	47234702	SYNGENTA	OWN	
830.6304	Odor	47914902	SYNGENTA	OWN	
830.6304	Odor	47934702	SYNGENTA	OWN	
830.6304	Odor	47934903	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 7 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6304	Odor	47962502	SYNGENTA	OWN	
830.6304	Odor	47973302	SYNGENTA	OWN	
830.6304	Odor	48081702	SYNGENTA	OWN	
830.6304	Odor	48381502	SYNGENTA	OWN	
830.6304	Odor	48491902	SYNGENTA	OWN	
830.6304	Odor	48506802	SYNGENTA	OWN	
830.6304	Odor	48579702	SYNGENTA	OWN	
830.6304	Odor	48644002	SYNGENTA	OWN	
830.6304	Odor	48682402	SYNGENTA	OWN	
830.6304	Odor	48682502	SYNGENTA	OWN	
830.6304	Odor	48758402	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 8 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6304	Odor	48836002	SYNGENTA	OWN	
830.6304	Odor	48836202	SYNGENTA	OWN	
830.6304	Odor	48836402	SYNGENTA	OWN	
830.6304	Odor	49070403	SYNGENTA	OWN	
830.6313	Stability to normal and elevated temperatures, metals,	47914902	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47234702	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47914902	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47934702	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47934903	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47962502	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47973302	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 9 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6314	Oxidation/reduction: chemical incompatibility	48081702	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48381502	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48491902	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48579702	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48644002	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48682402	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48682502	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48758402	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48836002	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48836202	SYNGENTA	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	48836402	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 10 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6314	Oxidation/reduction: chemical incompatibility	49070403	SYNGENTA	OWN	
830.6315	Flammability	47234702	SYNGENTA	OWN	
830.6315	Flammability	47914902	SYNGENTA	OWN	
830.6315	Flammability	47934702	SYNGENTA	OWN	
830.6315	Flammability	47934903	SYNGENTA	OWN	
830.6315	Flammability	47962502	SYNGENTA	OWN	
830.6315	Flammability	47973302	SYNGENTA	OWN	
830.6315	Flammability	48081702	SYNGENTA	OWN	
830.6315	Flammability	48381502	SYNGENTA	OWN	
830.6315	Flammability	48491902	SYNGENTA	OWN	
830.6315	Flammability	48579702	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No: 100-936	Page 11 of 48
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6315	Flammability	48644002	SYNGENTA	OWN	
830.6315	Flammability	48682402	SYNGENTA	OWN	
830.6315	Flammability	48682502	SYNGENTA	OWN	
830.6315	Flammability	48758402	SYNGENTA	OWN	
830.6315	Flammability	48836002	SYNGENTA	OWN	
830.6315	Flammability	48836202	SYNGENTA	OWN	
830.6315	Flammability	48836402	SYNGENTA	OWN	
830.6315	Flammability	49070403	SYNGENTA	OWN	
830.6316	Explosability	47234702	SYNGENTA	OWN	
830.6316	Explosability	47914902	SYNGENTA	OWN	
830.6316	Explosability	47934702	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 12 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6316	Explodability	47934903	SYNGENTA	OWN	
830.6316	Explodability	47962502	SYNGENTA	OWN	
830.6316	Explodability	47973302	SYNGENTA	OWN	
830.6316	Explodability	48081702	SYNGENTA	OWN	
830.6316	Explodability	48381502	SYNGENTA	OWN	
830.6316	Explodability	48491902	SYNGENTA	OWN	
830.6316	Explodability	48579702	SYNGENTA	OWN	
830.6316	Explodability	48644002	SYNGENTA	OWN	
830.6316	Explodability	48682402	SYNGENTA	OWN	
830.6316	Explodability	48682502	SYNGENTA	OWN	
830.6316	Explodability	48758402	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 13 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6316	Explodability	48836002	SYNGENTA	OWN	
830.6316	Explodability	48836202	SYNGENTA	OWN	
830.6316	Explodability	48836402	SYNGENTA	OWN	
830.6316	Explodability	49070403	SYNGENTA	OWN	
830.6317	Storage Stability	47234702	SYNGENTA	OWN	
830.6317	Storage Stability	47914902	SYNGENTA	OWN	
830.6317	Storage Stability	47926201	SYNGENTA	OWN	
830.6317	Storage Stability	47931301	SYNGENTA	OWN	
830.6317	Storage Stability	47932801	SYNGENTA	OWN	
830.6317	Storage Stability	47932901	SYNGENTA	OWN	
830.6317	Storage Stability	47954601	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 14 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6317	Storage Stability	47972402	SYNGENTA	OWN	
830.6317	Storage Stability	47972403	SYNGENTA	OWN	
830.6317	Storage Stability	47977501	SYNGENTA	OWN	
830.6317	Storage Stability	48468002	SYNGENTA	OWN	
830.6317	Storage Stability	48468202	SYNGENTA	OWN	
830.6317	Storage Stability	48563901	SYNGENTA	OWN	
830.6317	Storage Stability	48735202	SYNGENTA	OWN	
830.6317	Storage Stability	48814301	SYNGENTA	OWN	
830.6317	Storage Stability	48904801	SYNGENTA	OWN	
830.6317	Storage Stability	48921101	SYNGENTA	OWN	
830.6317	Storage Stability	48921201	SYNGENTA	OWN	

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Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 15 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6317	Storage Stability	48943201	SYNGENTA	OWN	
830.6317	Storage Stability	48943301	SYNGENTA	OWN	
830.6317	Storage Stability	49070403	SYNGENTA	OWN	
830.6319	Miscibility	47234702	SYNGENTA	OWN	
830.6319	Miscibility	47914902	SYNGENTA	OWN	
830.6319	Miscibility	47934702	SYNGENTA	OWN	
830.6319	Miscibility	47934903	SYNGENTA	OWN	
830.6319	Miscibility	47962502	SYNGENTA	OWN	
830.6319	Miscibility	47973302	SYNGENTA	OWN	
830.6319	Miscibility	48081702	SYNGENTA	OWN	
830.6319	Miscibility	48381502	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 16 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6319	Miscibility	48491902	SYNGENTA	OWN	
830.6319	Miscibility	48579702	SYNGENTA	OWN	
830.6319	Miscibility	48644002	SYNGENTA	OWN	
830.6319	Miscibility	48682402	SYNGENTA	OWN	
830.6319	Miscibility	48682502	SYNGENTA	OWN	
830.6319	Miscibility	48758402	SYNGENTA	OWN	
830.6319	Miscibility	48836002	SYNGENTA	OWN	
830.6319	Miscibility	48836202	SYNGENTA	OWN	
830.6319	Miscibility	48836402	SYNGENTA	OWN	
830.6319	Miscibility	49070403	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47234702	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-936	Page 17 of 48
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: THIAMETHOXAM TECHNICAL	

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6320	Corrosion characteristics	47914902	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47926201	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47931301	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47932801	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47932901	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47954601	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47972402	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47972403	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47977501	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48468002	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48468202	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 18 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6320	Corrosion characteristics	48563901	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48735202	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48814301	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48904801	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48921101	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48921201	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48943201	SYNGENTA	OWN	
830.6320	Corrosion characteristics	48943301	SYNGENTA	OWN	
830.6320	Corrosion characteristics	49070403	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	47234702	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	47914902	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 19 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6321	Dielectric breakdown voltage	47934702	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	47934903	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	47962502	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	47973302	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48081702	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48381502	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48491902	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48579702	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48644002	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48682402	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48682502	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 20 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6321	Dielectric breakdown voltage	48758402	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48836002	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48836202	SYNGENTA	OWN	
830.6321	Dielectric breakdown voltage	48836402	SYNGENTA	OWN	
830.7000	pH	47234702	SYNGENTA	OWN	
830.7000	pH	47914902	SYNGENTA	OWN	
830.7000	pH	47934702	SYNGENTA	OWN	
830.7000	pH	47934903	SYNGENTA	OWN	
830.7000	pH	47962502	SYNGENTA	OWN	
830.7000	pH	47973302	SYNGENTA	OWN	
830.7000	pH	48081702	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 21 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7000	pH	48381502	SYNGENTA	OWN	
830.7000	pH	48491902	SYNGENTA	OWN	
830.7000	pH	48506802	SYNGENTA	OWN	
830.7000	pH	48579702	SYNGENTA	OWN	
830.7000	pH	48644002	SYNGENTA	OWN	
830.7000	pH	48682402	SYNGENTA	OWN	
830.7000	pH	48682502	SYNGENTA	OWN	
830.7000	pH	48758402	SYNGENTA	OWN	
830.7000	pH	48836002	SYNGENTA	OWN	
830.7000	pH	48836202	SYNGENTA	OWN	
830.7000	pH	48836402	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 22 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7000	pH	49070403	SYNGENTA	OWN	
830.7050	UV/Visible absorption	47914902	SYNGENTA	OWN	
830.7100	Viscosity	47234702	SYNGENTA	OWN	
830.7100	Viscosity	47914902	SYNGENTA	OWN	
830.7100	Viscosity	47934702	SYNGENTA	OWN	
830.7100	Viscosity	47934903	SYNGENTA	OWN	
830.7100	Viscosity	47962502	SYNGENTA	OWN	
830.7100	Viscosity	47973302	SYNGENTA	OWN	
830.7100	Viscosity	48081702	SYNGENTA	OWN	
830.7100	Viscosity	48381502	SYNGENTA	OWN	
830.7100	Viscosity	48491902	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-936	Page 23 of 48
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: THIAMETHOXAM TECHNICAL	
Ingredient: Thiamethoxam		

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7100	Viscosity	48506802	SYNGENTA	OWN	
830.7100	Viscosity	48579702	SYNGENTA	OWN	
830.7100	Viscosity	48644002	SYNGENTA	OWN	
830.7100	Viscosity	48682402	SYNGENTA	OWN	
830.7100	Viscosity	48682502	SYNGENTA	OWN	
830.7100	Viscosity	48758402	SYNGENTA	OWN	
830.7100	Viscosity	48836002	SYNGENTA	OWN	
830.7100	Viscosity	48836202	SYNGENTA	OWN	
830.7100	Viscosity	48836402	SYNGENTA	OWN	
830.7100	Viscosity	49070403	SYNGENTA	OWN	
830.7200	Melting point/melting range	47914902	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 24 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7220	Boiling point/boiling range	47914902	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	47234702	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	47914902	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	47934702	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	47934903	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	47962502	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	47973302	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48081702	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48381502	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48491902	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48506802	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 25 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7300	Density/relative density/bulk density	48579702	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48644002	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48682402	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48682502	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48758402	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48836002	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48836202	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	48836402	SYNGENTA	OWN	
830.7300	Density/relative density/bulk density	49070403	SYNGENTA	OWN	
830.7370	Dissociation constants in water	47914902	SYNGENTA	OWN	
830.7550	Partition coefficient (n-octanol/water), shake flask met	47914902	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 26 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7840	Water salubility: column elution method, shake flask	47914902	SYNGENTA	OWN	
830.7950	Water solubility, Vapor pressure	47914902	SYNGENTA	OWN	
870 Series	Health Effects Tests	47556201	SYNGENTA	OWN	
870.1100	Acute oral toxicity	44703314	SYNGENTA	OWN	
870.1100	Acute oral toxicity	44703315	SYNGENTA	OWN	
870.1100	Acute oral toxicity	44727504	SYNGENTA	OWN	
870.1100	Acute oral toxicity	47234703	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	44703316	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	47234704	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	44703317	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	47234705	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 27 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.2400	Acute eye irritation	44703318	SYNGENTA	OWN	
870.2400	Acute eye irritation	47234706	SYNGENTA	OWN	
870.2400	Acute eye irritation	47934703	SYNGENTA	OWN	
870.2400	Acute eye irritation	47934907	SYNGENTA	OWN	
870.2400	Acute eye irritation	47962506	SYNGENTA	OWN	
870.2400	Acute eye irritation	47973305	SYNGENTA	OWN	
870.2400	Acute eye irritation	48081706	SYNGENTA	OWN	
870.2400	Acute eye irritation	48296701	SYNGENTA	OWN	
870.2400	Acute eye irritation	48381506	SYNGENTA	OWN	
870.2400	Acute eye irritation	48491906	SYNGENTA	OWN	
870.2400	Acute eye irritation	48506806	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 28 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.2400	Acute eye irritation	48579706	SYNGENTA	OWN	
870.2400	Acute eye irritation	48644006	SYNGENTA	OWN	
870.2400	Acute eye irritation	48667606	SYNGENTA	OWN	
870.2400	Acute eye irritation	48682406	SYNGENTA	OWN	
870.2400	Acute eye irritation	48682506	SYNGENTA	OWN	
870.2400	Acute eye irritation	48758406	SYNGENTA	ONW	
870.2400	Acute eye irritation	48836006	SYNGENTA	OWN	
870.2400	Acute eye irritation	48836206	SYNGENTA	OWN	
870.2400	Acute eye irritation	48836406	SYNGENTA	OWN	
870.2400	Acute eye irritation	49070413	SYNGENTA	OWN	
870.2500	Acute dermal irritation	44703319	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 29 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.2500	Acute dermal irritation	47234707	SYNGENTA	OWN	
870.2500	Acute dermal irritation	47934704	SYNGENTA	OWN	
870.2500	Acute dermal irritation	47934908	SYNGENTA	OWN	
870.2500	Acute dermal irritation	47962507	SYNGENTA	OWN	
870.2500	Acute dermal irritation	47973306	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48081707	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48381507	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48491907	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48506807	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48579707	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48644007	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 30 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.2500	Acute dermal irritation	48667607	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48682407	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48682507	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48758407	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48836007	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48836207	SYNGENTA	OWN	
870.2500	Acute dermal irritation	48836407	SYNGENTA	OWN	
870.2500	Acute dermal irritation	49070412	SYNGENTA	OWN	
870.2600	Skin sensitization	44710401	SYNGENTA	OWN	
870.2600	Skin sensitization	47234708	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	44703322	SYNGENTA	OWN	

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 31 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3100	90-Day oral toxicity	44703323	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	44703324	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	44703325	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	44718701	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	44718702	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	44718703	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	44703322	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	44703323	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	44703324	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	44718701	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	44718702	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 32 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3150	Subchronic nonrodent oral toxicity - 90-day	44718703	SYNGENTA	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	44710402	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	44703327	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	44703328	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	44703329	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	44703330	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	44718705	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	44718706	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	44703401	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	44703402	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	44718707	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 33 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3800	Reproduction and fertility effects	44939803	SYNGENTA	OWN	
870.4100	Chronic toxicity	44718704	SYNGENTA	OWN	
870.4100	Chronic toxicity	44718708	SYNGENTA	OWN	
870.4200	Carcinogenicity	44703326	SYNGENTA	OWN	
870.4200	Carcinogenicity	44718708	SYNGENTA	OWN	
870.4200	Carcinogenicity	44988301	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161501	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161502	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161503	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161504	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161505	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 34 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.4200	Carcinogenicity	46161506	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161507	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161508	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161509	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161510	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161511	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161512	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161513	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161514	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161515	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161516	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-936	Page 35 of 48
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: THIAMETHOXAM TECHNICAL	

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.4200	Carcinogenicity	46161517	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161518	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161519	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161520	SYNGENTA	OWN	
870.4200	Carcinogenicity	46161521	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44703405	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44703406	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44710403	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44710404	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44710405	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44710406	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 36 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5000	Genetic Toxicity tests	44710407	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44968301	SYNGENTA	OWN	
870.6100	Acute and 28-day delayed neurotoxicity of organopho	44703320	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	44925201	SYNGENTA	OWN	
870.6300	Developmental neurotoxicity study	46919401	SYNGENTA	OWN	
870.6300	Developmental neurotoxicity study	47034201	SYNGENTA	OWN	
870.7200	Domestic animal safety	44715128	SYNGENTA	OWN	
870.7200	Domestic animal safety	44715129	SYNGENTA	OWN	
870.7200	Domestic animal safety	44727507	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	44703532	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	44703533	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 37 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.7485	Metabolism and pharmacokinetics	44710408	SYNGENTA	OWN	
870.7600	Dermal penetration	45200001	SYNGENTA	OWN	
870.7800	Immunotoxicity	48547101	SYNGENTA	OWN	
810.1000	Product Performance. Overview, Definitions and Gen	47251101	SYNGENTA	OWN	
810.1000	Product Performance. Overview, Definitions and Gen	48110201	SYNGENTA	OWN	
810.3000	General Considerations for Efficacy of Invertebrate C	47251101	SYNGENTA	OWN	
810.3000	General Considerations for Efficacy of Invertebrate C	47579701	SYNGENTA	OWN	
810.3000	General Considerations for Efficacy of Invertebrate C	48110201	SYNGENTA	OWN	
810.3300	Treatments to Control Pests of Humans and Pets	44715119	SYNGENTA	OWN	
810.3300	Treatments to Control Pests of Humans and Pets	44715120	SYNGENTA	OWN	
810.3300	Treatments to Control Pests of Humans and Pets	44715121	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 38 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
810.3500	Premise Treatments	45835501	SYNGENTA	OWN	
810.3500	Premise Treatments	46051901	SYNGENTA	OWN	
810.3500	Premise Treatments	46237401	SYNGENTA	OWN	
810.3500	Premise Treatments	46948101	SYNGENTA	OWN	
810.3500	Premise Treatments	46984601	SYNGENTA	OWN	
810.3500	Premise Treatments	46984602	SYNGENTA	OWN	
810.3500	Premise Treatments	46984603	SYNGENTA	OWN	
810.3500	Premise Treatments	47251101	SYNGENTA	OWN	
810.3500	Premise Treatments	47251102	SYNGENTA	OWN	
810.3500	Premise Treatments	47251103	SYNGENTA	OWN	
810.3500	Premise Treatments	47251104	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 39 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
810.3500	Premise Treatments	47251105	SYNGENTA	OWN	
810.3500	Premise Treatments	47579702	SYNGENTA	OWN	
810.3500	Premise Treatments	47715201	SYNGENTA	OWN	
810.3500	Premise Treatments	48908301	SYNGENTA	OWN	
810.3500	Premise Treatments	48908302	SYNGENTA	OWN	
810.3600	Structural Treatments	46051901	SYNGENTA	OWN	
810.3600	Structural Treatments	46237401	SYNGENTA	OWN	
810.3600	Structural Treatments	47251106	SYNGENTA	OWN	
850.4100	Terrestrial plant toxicity, Tier I (seedling emergence)	49108701	SYNGENTA	OWN	
850.4150	Terrestrial plant toxicity, Tier I (vegetative vigor)	49105801	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I an	44714925	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 40 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I an	44714926	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	44714925	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	44714926	SYNGENTA	OWN	
875 Group A	Applicator Exposure Monitoring Test Guidelines	44715118	SYNGENTA	OWN	
875 Group A	Applicator Exposure Monitoring Test Guidelines	47423401	SYNGENTA	OWN	
875 Group B	Postapplication Exposure Monitoring Test Guidelines	44715118	SYNGENTA	OWN	
875 Group B	Postapplication Exposure Monitoring Test Guidelines	47423401	SYNGENTA	OWN	
875.1200	Dermal exposure – indoor	44715130	SYNGENTA	OWN	
875.1200	Dermal exposure – indoor	44715131	SYNGENTA	OWN	
875.1200	Dermal exposure – indoor	44715132	SYNGENTA	OWN	
875.2100	Foliar dislodgeable residue dissipation	44715131	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-936	Page 41 of 48
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL
Ingredient: Thiamethoxam		

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
875.2100	Foliar dislodgeable residue dissipation	44715133	SYNGENTA	OWN	
875.2100	Foliar dislodgeable residue dissipation	46908901	SYNGENTA	OWN	
875.2200	Soil residue dissipation	44715131	SYNGENTA	OWN	
875.2200	Soil residue dissipation	44715133	SYNGENTA	OWN	
875.2400	Dermal exposure	44715130	SYNGENTA	OWN	
875.2400	Dermal exposure	45200002	SYNGENTA	OWN	
875.2400	Dermal exposure	45200004	SYNGENTA	OWN	
875.2400	Dermal exposure	45243001	SYNGENTA	OWN	
875.2600	Biological Monitoring	45200002	SYNGENTA	OWN	
875.2600	Biological Monitoring	45243001	SYNGENTA	OWN	
850.3020	Honey bee acute contact toxicity	44714927	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-936		Page 42 of 48	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL			
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.3030	Honey bee toxicity of residues on foliage	44727501	SYNGENTA	OWN	
850.3040	Field testing for pollinators	46163103	SYNGENTA	OWN	
850.3040	Field testing for pollinators	46163104	SYNGENTA	OWN	
850.3040	Field testing for pollinators	48584701	SYNGENTA	OWN	
161-1	Hydrolysis - laboratory	44703416	SYNGENTA	OWN	
161-1	Hydrolysis - laboratory	44703417	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	44715024	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	44715025	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	44715026	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	44715027	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	44715028	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-936	Page 43 of 48
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: THIAMETHOXAM TECHNICAL	

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
162-1	Aeroic Soil metabolism	44703418	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	44703419	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	44703501	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	44715029	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	44715030	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	44715031	SYNGENTA	OWN	
162-4	Aerobic Aquatic Metabolism	44715032	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44703502	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44703503	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44715033	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44715034	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 44 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
163-1	Leaching and adsorption/desorption – laboratory	45084901	SYNGENTA	OWN	
163-1B	Leaching/Adsorption/Desorption	45640401	SYNGENTA	OWN	
164 Series	Discussion of field dissipation	45640405	SYNGENTA	OWN	
164-1	Soil dissipation – field	44703504	SYNGENTA	OWN	
164-1	Soil dissipation – field	44703505	SYNGENTA	OWN	
164-1	Soil dissipation – field	44727505	SYNGENTA	OWN	
164-1	Soil dissipation – field	44727506	SYNGENTA	OWN	
164-1	Soil dissipation – field	44975401	SYNGENTA	OWN	
164-1	Soil dissipation – field	44975402	SYNGENTA	OWN	
164-1	Soil dissipation – field	44975403	SYNGENTA	OWN	
164-1	Soil dissipation – field	45086201	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-936	Page 45 of 48			
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: THIAMETHOXAM TECHNICAL				
Ingredient: Thiamethoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
164-1	Soil dissipation -- field	45640402	SYNGENTA	OWN	
164-2	Aquatic field dissipation	47558101	SYNGENTA	OWN	
164-2	Aquatic field dissipation	47558102	SYNGENTA	OWN	
164-2	Aquatic field dissipation	47558103	SYNGENTA	OWN	
164-2	Aquatic field dissipation	47558104	SYNGENTA	OWN	
164-2	Aquatic field dissipation	47751401	SYNGENTA	OWN	
166 Series	Discussion Of Ground Water Studies	45640404	SYNGENTA	OWN	
166-1	Small Scale Prespective Groundwater Monitoring Stu	47379701	SYNGENTA	OWN	
166-1	Small Scale Prespective Groundwater Monitoring Stu	47486201	SYNGENTA	OWN	
860.1000	Background	48758101	SYNGENTA	OWN	
860.1340	Residue analytical method	48758102	Submitter Name Unkn	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 46 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1460	Food handling	48110202	SYNGENTA	OWN	
860.1500	Crop field trials	48758101	SYNGENTA	OWN	
860.1500	Crop field trials	48758103	SYNGENTA	OWN	
860.1500	Crop field trials	48758104	SYNGENTA	OWN	
860.1500	Crop field trials	48836701	SYNGENTA	OWN	
860.1500	Crop field trials	48836702	SYNGENTA	OWN	
860.1500	Crop field trials	48836703	SYNGENTA	OWN	
860.1500	Crop field trials	48836704	SYNGENTA	OWN	
860.1500	Crop field trials	48836705	SYNGENTA	OWN	
860.1500	Crop field trials	48836706	SYNGENTA	OWN	
860.1520	Processed food/feed	48758101	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-936

Page 47 of 48

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1520	Processed food/feed	48836701	SYNGENTA	OWN	
860.1520	Processed food/feed	48836705	SYNGENTA	OWN	
860.1900	Field accumulation in rotational crops	45659201	SYNGENTA	OWN	
850.1010	Aquatic invertigrade acute toxicity test, freshwater dap	44714918	SYNGENTA	OWN	
850.1010	Aquatic invertigrade acute toxicity test, freshwater dap	44714919	SYNGENTA	OWN	
850.1010	Aquatic invertigrade acute toxicity test, freshwater dap	44714928	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	44714922	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	44714921	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	44714916	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	44714917	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	44714920	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-936	Page 48 of 48
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: THIAMETHOXAM TECHNICAL

Ingredient: Thiamethoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1300	Daphnid chronic toxicity test	44714924	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	45500001	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	44714923	SYNGENTA	OWN	
850.1735	Whole sediment acute toxicity invertebrates, freshwat	44714928	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	44703307	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	44703308	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	49025801	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	44703309	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	44703310	SYNGENTA	OWN	
850.2300	Avian reproduction test	44703311	SYNGENTA	OWN	
850.2300	Avian reproduction test	44703312	SYNGENTA	OWN	

Patrick McCain, Regulatory Product Manager

Date: 9/6/2013



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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number

Syngenta Crop Protection, LLC Box18300 Greensboro NC 27419

EPA Registration Number/File Symbol

100-791

Active Ingredient(s) and/or representative test compound(s)

Mefenoxam

Date

9-6-2013

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)

Terrestrial Food

Product Name

Mefenoxam Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

9-6-2013

Typed or Printed Name and Title

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

E-SUBMISSION



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 1 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Cite-All	Cite-All	Cite-All (AHE)	AGRICULTURAL HAN	PER	
Cite-All	Cite-All	Cite-All (ART)	AGRICULTURAL REE	PER	
Cite-All	Cite-All	Cite-All (FES)	FIFRA ENDANGERED	PER	
Cite-All	Cite-All	Cite-All (ORE)	OUTDOOR RESIDENT	PER	
Cite-All	Cite-All	Cite-All (REJ)	RESIDENTIAL EXPOS	PER	
Cite-All	Cite-All	Cite-All (SDT)	SPRAY DRIFT TF	PER	
830.0000	Product identity and composition	43800301	SYNGENTA	OWN	
830.0000	Product identity and composition	43800321	SYNGENTA	OWN	
830.0000	Product identity and composition	43800322	SYNGENTA	OWN	
830.0000	Product identity and composition	43889802	SYNGENTA	OWN	
830.0000	Product identity and composition	43889803	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 2 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1550	Product identity and composition	43800323	SYNGENTA	OWN	
830.1550	Product identity and composition	43889801	SYNGENTA	OWN	
830.1550	Product identity and composition	43889803	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	46342101	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	43800323	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	43889801	SYNGENTA	OWN	
830.1700	Preliminary analysis	43800323	SYNGENTA	OWN	
830.1700	Preliminary analysis	43889801	SYNGENTA	OWN	
830.1750	Certified limits	43800321	SYNGENTA	OWN	
870.1100	Acute oral toxicity	43800383	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	43800384	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 3 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.1300	Acute inhalation toxicity	43800385	SYNGENTA	OWN	
870.2400	Acute eye irritation	43800386	SYNGENTA	OWN	
870.2400	Acute eye irritation	46017401	SYNGENTA	OWN	
870.2500	Acute dermal irritation	43800387	SYNGENTA	OWN	
870.2600	Skin sensitization	43800388	SYNGENTA	OWN	
870.2600	Skin sensitization	43800389	SYNGENTA	OWN	
870.2600	Skin sensitization	44185708	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	00071598	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	00084110	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	00084111	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	00148087	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 4 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3100	90-Day oral toxicity	43800390	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43800391	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43800392	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43823202	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	00071598	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	00084110	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	00084111	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	00148087	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43800390	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43800391	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43800392	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-791	Page 5 of 31
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Mefenoxam Technical	
Ingredient: Mefenoxam		

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3150	Subchronic nonrodent oral toxicity - 90-day	43823202	SYNGENTA	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	00072394	SYNGENTA	OWN	
870.3465	90-Day inhalation toxicity	00109471	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00144371	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00144372	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00144423	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00148866	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00148867	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00154938	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00161404	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	00161405	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 6 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3700	Prenatal developmental toxicity study	43800393	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	44208401	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	00071600	SYNGENTA	OWN	
870.4200	Carcinogenicity	00098481	SYNGENTA	OWN	
870.4200	Carcinogenicity	00103354	SYNGENTA	OWN	
870.4200	Carcinogenicity	00132009	SYNGENTA	OWN	
870.4200	Carcinogenicity	00150094	SYNGENTA	OWN	
870.4200	Carcinogenicity	00150185	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00084113	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00084114	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00103361	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 7 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5000	Genetic Toxicity tests	00103362	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00103363	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00154301	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00154302	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00154306	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00154307	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00154309	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00154310	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00154663	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	00160037	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43800394	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 8 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5000	Genetic Toxicity tests	43800395	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43800401	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43800402	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43800403	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43800404	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	48865902	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	00071614	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	00099084	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	00161402	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	41664501	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	43317301	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No: 100-791	Page 9 of 31
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.7600	Dermal penetration	45085901	SYNGENTA	OWN	
870.7600	Dermal penetration	45085902	SYNGENTA	OWN	
870.7800	Immunotoxicity	48865903	SYNGENTA	OWN	
850.4100	Terrestrial plant toxicity, Tier I (seedling emergence)	49049807	SYNGENTA	OWN	
850.4150	Terrestrial plant toxicity, Tier I (vegetative vigor)	49049808	SYNGENTA	OWN	
850.4225	Seedling emergence, Tier 2	49049807	SYNGENTA	OWN	
850.4250	Vegetative vigor, Tier 2	49049808	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and 2	00148448	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and 2	43875307	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	00148448	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	43875307	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 10 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.5400	Algal toxicity, Tiers 1 and 2	49049809	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	49049810	SYNGENTA	OWN	
875.2100	Foliar dislodgeable residue dissipation	46017402	SYNGENTA	OWN	
850.3020	Honey bee acute contact toxicity	40276701	SYNGENTA	OWN	
850.3020	Honey bee acute contact toxicity	43875308	SYNGENTA	OWN	
161-1	Hydrolysis - laboratory	00104493	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	41156001	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	00100456	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	43883402	SYNGENTA	OWN	
162-1	Aerobic Soil metabolism	43935301	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	42259801	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-791	Page 11 of 31
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Mefenoxam Technical	

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
162-4	Aerobic Aquatic Metabolism	42259802	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	00100455	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	00100464	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	00100465	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	00100466	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	43875309	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	43935302	SYNGENTA	OWN	
164-1	Soil dissipation -- field	00104494	SYNGENTA	OWN	
164-1	Soil dissipation -- field	00104654	SYNGENTA	OWN	
164-1	Soil dissipation -- field	41765001	SYNGENTA	OWN	
164-1	Soil dissipation -- field	41765002	SYNGENTA	OWN	

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Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 12 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
164-1	Soil dissipation – field	41809301	SYNGENTA	OWN	
164-1	Soil dissipation – field	44703505	SYNGENTA	OWN	
164-1	Soil dissipation – field	44703538	SYNGENTA	OWN	
164-2	Aquatic field dissipation	42259803	SYNGENTA	OWN	
164-2	Aquatic field dissipation	42259804	SYNGENTA	OWN	
165 Series	Accumulation study guidelines	00100470	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	00043585	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	00043586	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	00156010	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	40124501	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	40307601	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 13 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
166-2	Small Scale Retrospective Groundwater Monitoring St	41115601	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	41115602	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	41439201	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	41672501	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	41672502	SYNGENTA	OWN	
166-2	Small Scale Retrospective Groundwater Monitoring St	41672503	SYNGENTA	OWN	
171-11	Crop field trials	43896904	SYNGENTA	OWN	
171-11	Crop field trials	45508401	SYNGENTA	OWN	
171-4	Residue	00074488	SYNGENTA	OWN	
171-4	Residue	42259805	SYNGENTA	OWN	
860.1000	Background	44703528	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 14 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	00071601	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071604	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071605	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071606	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071607	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071608	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071609	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071610	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071611	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071612	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00071622	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-791		Page 15 of 31	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Mefenoxam Technical			
Ingredient: Mefenoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue -- plants, livestock	00071623	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00100477	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00100478	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00100753	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00104378	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00104387	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00104390	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00104485	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00114379	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00128102	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	00148103	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 16 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	00148440	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	00155237	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	40503101	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	41055203	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	41664503	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	41664504	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	41664505	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	41912903	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42115801	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42115802	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42115803	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-791		Page 17 of 31	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Mefenoxam Technical			
Ingredient: Mefenoxam					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	42115804	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42115807	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42115808	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42115809	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42115810	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43896901	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44976201	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	45215901	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	45508401	SYNGENTA	OWN	
860.1340	Residue analytical method	00071602	SYNGENTA	OWN	
860.1340	Residue analytical method	00071603	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 18 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	00071615	SYNGENTA	OWN	
860.1340	Residue analytical method	00071616	SYNGENTA	OWN	
860.1340	Residue analytical method	00071672	SYNGENTA	OWN	
860.1340	Residue analytical method	00071673	SYNGENTA	OWN	
860.1340	Residue analytical method	00071674	SYNGENTA	OWN	
860.1340	Residue analytical method	00071676	SYNGENTA	OWN	
860.1340	Residue analytical method	00079433	SYNGENTA	OWN	
860.1340	Residue analytical method	00097511	SYNGENTA	OWN	
860.1340	Residue analytical method	00098428	SYNGENTA	OWN	
860.1340	Residue analytical method	00104656	SYNGENTA	OWN	
860.1340	Residue analytical method	00109402	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 19 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	00109472	SYNGENTA	OWN	
860.1340	Residue analytical method	00114377	SYNGENTA	OWN	
860.1340	Residue analytical method	00114378	SYNGENTA	OWN	
860.1340	Residue analytical method	00117969	SYNGENTA	OWN	
860.1340	Residue analytical method	00126315	SYNGENTA	OWN	
860.1340	Residue analytical method	00127769	SYNGENTA	OWN	
860.1340	Residue analytical method	00128738	SYNGENTA	OWN	
860.1340	Residue analytical method	00129003	SYNGENTA	OWN	
860.1340	Residue analytical method	00130693	SYNGENTA	OWN	
860.1340	Residue analytical method	00130694	SYNGENTA	OWN	
860.1340	Residue analytical method	00130773	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 20 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	00133020	SYNGENTA	OWN	
860.1340	Residue analytical method	00138818	SYNGENTA	OWN	
860.1340	Residue analytical method	00141519	SYNGENTA	OWN	
860.1340	Residue analytical method	00154446	SYNGENTA	OWN	
860.1340	Residue analytical method	00155845	SYNGENTA	OWN	
860.1340	Residue analytical method	00157480	SYNGENTA	OWN	
860.1340	Residue analytical method	00164649	SYNGENTA	OWN	
860.1340	Residue analytical method	00164650	SYNGENTA	OWN	
860.1340	Residue analytical method	00164651	SYNGENTA	OWN	
860.1340	Residue analytical method	40106601	SYNGENTA	OWN	
860.1340	Residue analytical method	40569301	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-791	Page 21 of 31
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Mefenoxam Technical	

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	40569303	SYNGENTA	OWN	
860.1340	Residue analytical method	40746901	SYNGENTA	OWN	
860.1340	Residue analytical method	40775801	SYNGENTA	OWN	
860.1340	Residue analytical method	40790201	SYNGENTA	OWN	
860.1340	Residue analytical method	40832901	SYNGENTA	OWN	
860.1340	Residue analytical method	40838301	SYNGENTA	OWN	
860.1340	Residue analytical method	40909401	SYNGENTA	OWN	
860.1340	Residue analytical method	41150101	SYNGENTA	OWN	
860.1340	Residue analytical method	41587801	SYNGENTA	OWN	
860.1340	Residue analytical method	41636201	SYNGENTA	OWN	
860.1340	Residue analytical method	41688901	IR-4	PER	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-791	Page 22 of 31
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	41689701	SYNGENTA	OWN	
860.1340	Residue analytical method	41689702	SYNGENTA	OWN	
860.1340	Residue analytical method	41870301	SYNGENTA	OWN	
860.1340	Residue analytical method	41870302	SYNGENTA	OWN	
860.1340	Residue analytical method	41870303	SYNGENTA	OWN	
860.1340	Residue analytical method	41870304	SYNGENTA	OWN	
860.1340	Residue analytical method	41870305	SYNGENTA	OWN	
860.1340	Residue analytical method	41870306	SYNGENTA	OWN	
860.1340	Residue analytical method	41870307	SYNGENTA	OWN	
860.1340	Residue analytical method	41996401	IR-4	PER	
860.1340	Residue analytical method	42233501	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 23 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	42350101	IR-4	PER	
860.1340	Residue analytical method	42919401	SYNGENTA	OWN	
860.1340	Residue analytical method	43896902	SYNGENTA	OWN	
860.1340	Residue analytical method	43896903	SYNGENTA	OWN	
860.1340	Residue analytical method	43896905	SYNGENTA	OWN	
860.1340	Residue analytical method	43961901	SYNGENTA	OWN	
860.1340	Residue analytical method	44185709	SYNGENTA	OWN	
860.1340	Residue analytical method	44316101	SYNGENTA	OWN	
860.1340	Residue analytical method	44316102	SYNGENTA	OWN	
860.1340	Residue analytical method	44617001	SYNGENTA	OWN	
860.1340	Residue analytical method	44703528	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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WASHINGTON, D.C. 20460

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 24 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44847601	IR-4	PER	
860.1340	Residue analytical method	44847602	IR-4	PER	
860.1340	Residue analytical method	44850301	SYNGENTA	OWN	
860.1340	Residue analytical method	44941601	IR-4	PER	
860.1340	Residue analytical method	45215901	SYNGENTA	OWN	
860.1340	Residue analytical method	45508401	SYNGENTA	OWN	
860.1340	Residue analytical method	45613901	SYNGENTA	OWN	
860.1340	Residue analytical method	45618201	SYNGENTA	OWN	
860.1340	Residue analytical method	46714704	SYNGENTA	OWN	
860.1340	Residue analytical method	46714705	SYNGENTA	OWN	
860.1340	Residue analytical method	46714706	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 25 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1380	Storage stability data	44316101	SYNGENTA	OWN	
860.1380	Storage stability data	44316102	SYNGENTA	OWN	
860.1380	Storage stability data	46714707	SYNGENTA	OWN	
860.1500	Crop field trials	43896902	SYNGENTA	OWN	
860.1500	Crop field trials	43896903	SYNGENTA	OWN	
860.1500	Crop field trials	43896904	SYNGENTA	OWN	
860.1500	Crop field trials	43896905	SYNGENTA	OWN	
860.1500	Crop field trials	44703528	SYNGENTA	OWN	
860.1500	Crop field trials	45613901	SYNGENTA	OWN	
860.1500	Crop field trials	46714701	SYNGENTA	OWN	
860.1500	Crop field trials	46714702	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 26 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	46714703	SYNGENTA	OWN	
860.1500	Crop field trials	47493301	SYNGENTA	OWN	
860.1520	Processed food/feed	44703528	SYNGENTA	OWN	
860.1520	Processed food/feed	45613901	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	42196501	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	42196502	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	42196503	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	43317302	SYNGENTA	OWN	
860.1900	Field accumulation in rotational crops	41870308	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	00063986	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	00071306	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-791	Page 27 of 31
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Mefenoxam Technical	

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	00100448	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	43875305	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	49156001	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	41288101	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	41288103	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	41288104	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	43875306	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	49049801	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	41288101	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	41288103	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	41288104	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 28 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1035	Mysid acute toxicity test	43875306	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	49049802	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	41288101	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	41288103	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	41288104	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	43875306	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	41288101	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	41288103	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	41288104	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	43875306	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	00071302	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 29 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1075	Fish acute toxicity test, freshwater and marine	00071303	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	00100446	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	00100447	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	41288101	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	41288103	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	41288104	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	43875304	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	43875306	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	49049803	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	49049805	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	49049806	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 30 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1300	Daphnid chronic toxicity test	00071307	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	00071308	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	00071307	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	00071308	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	49156002	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	00071307	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	00071308	SYNGENTA	OWN	
850.1730	Accumulation in fish – waiver	00100468	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	00077334	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	43875302	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	49162701	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-791

Page 31 of 31

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Mefenoxam Technical

Ingredient: Mefenoxam

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.2200	Avian dietary toxicity test	00063988	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	00063989	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	00077335	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	43875303	SYNGENTA	OWN	
850.2300	Avian reproduction test	44720901	SYNGENTA	OWN	
850.2300	Avian reproduction test	44720902	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Syngenta Crop Protection, LLC Box18300 Greensboro NC 27419	EPA Registration Number/File Symbol 100-759
Active Ingredient(s) and/or representative test compound(s) Fludioxonil	Date 9-6-2013
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food	Product Name Fludioxonil Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-in Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 9-6-2013	Typed or Printed Name and Title Patrick McCain, Sr. Regulatory Product Manager, Seed Care
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E-SUBMISSION



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 1 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL
Ingredient: Fludioxonil		

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Cite-All	Cite-All	Cite-All (AHE)	AGRICULTURAL HAN	PER	
Cite-All	Cite-All	Cite-All (ART)	AGRICULTURAL REE	PER	
Cite-All	Cite-All	Cite-All (FES)	FIFRA ENDANGERED	PER	
Cite-All	Cite-All	Cite-All (ORE)	OUTDOOR RESIDENT	PER	
Cite-All	Cite-All	Cite-All (REJ)	RESIDENTIAL EXPOS	PER	
Cite-All	Cite-All	Cite-All (SDT)	SPRAY DRIFT TF	PER	
830.0000	Product identity and composition	43080001	SYNGENTA	OWN	
830.0000	Product identity and composition	43080002	SYNGENTA	OWN	
830.0000	Product identity and composition	43080004	SYNGENTA	OWN	
830.0000	Product identity and composition	43080048	SYNGENTA	OWN	
830.0000	Product identity and composition	43124101	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 2 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.0000	Product identity and composition	43690401	SYNGENTA	OWN	
830.1550	Product identity and composition	45922401	SYNGENTA	OWN	
830.1550	Product identity and composition	48251801	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	43690401	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	46335901	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	47297801	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	47514701	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	48251801	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	48760801	SYNGENTA	OWN	
830.1620	Description of production process	43690401	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	43690401	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 3 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1700	Preliminary analysis	45922401	SYNGENTA	OWN	
830.1700	Preliminary analysis	48251801	SYNGENTA	OWN	
830.1750	Certified limits	45922401	SYNGENTA	OWN	
830.1750	Certified limits	48251801	SYNGENTA	OWN	
830.6317	Storage Stability	43124101	SYNGENTA	OWN	
830.6317	Storage Stability	43690402	SYNGENTA	OWN	
830.6320	Corrosion characteristics	43124101	SYNGENTA	OWN	
870 Series	Health Effects Tests	44867310	SYNGENTA	OWN	
870.0000	Health effects supplementary data	43080005	SYNGENTA	OWN	
870.1100	Acute oral toxicity	43124105	SYNGENTA	OWN	
870.1100	Acute oral toxicity	43124109	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 4 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.1200	Acute dermal toxicity	43124106	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	43080019	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	43080020	SYNGENTA	OWN	
870.2400	Acute eye irritation	43124107	SYNGENTA	OWN	
870.2500	Acute dermal irritation	43124108	SYNGENTA	OWN	
870.2600	Skin sensitization	43080024	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43080026	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43080027	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43080028	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43080029	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	45530201	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 5 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3150	Subchronic nonrodent oral toxicity - 90-day	43080026	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43080027	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43080028	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43080029	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	45530201	SYNGENTA	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	43080030	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	43080034	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	43080035	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	43080036	SYNGENTA	OWN	
870.4100	Chronic toxicity	43080031	SYNGENTA	OWN	
870.4100	Chronic toxicity	43080037	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 6 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.4100	Chronic toxicity	43550102	SYNGENTA	OWN	
870.4100	Chronic toxicity	43550103	SYNGENTA	OWN	
870.4100	Chronic toxicity	43934001	SYNGENTA	OWN	
870.4200	Carcinogenicity	43080032	SYNGENTA	OWN	
870.4200	Carcinogenicity	43080033	SYNGENTA	OWN	
870.4200	Carcinogenicity	43080037	SYNGENTA	OWN	
870.4200	Carcinogenicity	43550102	SYNGENTA	OWN	
870.4200	Carcinogenicity	43550103	SYNGENTA	OWN	
870.4200	Carcinogenicity	43934001	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43080038	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43080039	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 7 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5000	Genetic Toxicity tests	43080040	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43080041	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43080042	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43080043	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43080044	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	43152501	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	44382304	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	45050502	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	45050503	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	45062201	SYNGENTA	OWN	
870.5500	Bacterial DNA damage or repair tests	45050502	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 8 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.6200	Neurotoxicity screening battery	43080031	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	43080037	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	43550102	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	43550103	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	43934001	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	43080045	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	43080046	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	43445901	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	43445902	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	44867315	SYNGENTA	OWN	
870.7800	Immunotoxicity	48478502	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 9 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Not Applicable	Acute Toxicity Assessment	48604909	SYNGENTA	OWN	
850.4225	Seedling emergence, Tier 2	48526503	SYNGENTA	OWN	
850.4250	Vegetative vigor, Tier 2	48526504	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I an	44382305	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I an	44382306	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I an	45808101	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	44382305	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	44382306	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	45808101	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	48526505	SYNGENTA	OWN	
875.2400	Dermal exposure	43080016	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 10 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
875.2400	Dermal exposure	43080049	SYNGENTA	OWN	
875.2400	Dermal exposure	43522801	SYNGENTA	OWN	
875.2400	Dermal exposure	44382307	SYNGENTA	OWN	
875.2400	Dermal exposure	45200002	SYNGENTA	OWN	
875.2600	Biological Monitoring	43080016	SYNGENTA	OWN	
875.2600	Biological Monitoring	43080049	SYNGENTA	OWN	
875.2600	Biological Monitoring	43522801	SYNGENTA	OWN	
875.2600	Biological Monitoring	44382307	SYNGENTA	OWN	
875.2600	Biological Monitoring	45200002	SYNGENTA	OWN	
850.3020	Honey bee acute contact toxicity	43080047	SYNGENTA	OWN	
850.3020	Honey bee acute contact toxicity	45649304	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 11 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
161-1	Hydrolysis - laboratory	43152502	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	43380512	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	43496302	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	44382308	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	43482601	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	44382308	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	47169312	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	47169313	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	47169314	SYNGENTA	OWN	
162-1	Aerobic Soil metabolism	43380513	SYNGENTA	OWN	
162-1	Aerobic Soil metabolism	46294501	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 12 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
162-1	Aeroic Soil metabolism	47169301	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	47169302	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	47169303	SYNGENTA	OWN	
162-2	Anaerobic Soil Metabolism	47169302	SYNGENTA	OWN	
162-2	Anaerobic Soil Metabolism	47169303	SYNGENTA	OWN	
162-4	Aerobic Aquatic Metabolism	47169304	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	43380514	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	43496303	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44382309	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44382310	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44382311	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013			Reg. No:100-759		Page 13 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419			Product: FLUDIOXONIL TECHNICAL		
Ingredient: Fludioxonil					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
163-1	Leaching and adsorption/desorption -- laboratory	44382312	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	44382313	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44382314	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44382315	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44382316	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44382317	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44382318	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44703505	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44703537	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44703538	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44940101	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 14 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
164-1	Soil dissipation – field	44940102	SYNGENTA	OWN	
164-1	Soil dissipation – field	44940104	SYNGENTA	OWN	
164-1	Soil dissipation – field	45357001	SYNGENTA	OWN	
835.4100	Aerobic Soil Metabolism (laboratory)	48996603	SYNGENTA	OWN	
835.4100	Aerobic Soil Metabolism (laboratory)	48996604	SYNGENTA	OWN	
860 Series	Residue Chemistry Test Guidelines	48437301	IR-4	PER	
860.1000	Background	44703528	SYNGENTA	OWN	
860.1000	Background	44703529	SYNGENTA	OWN	
860.1000	Background	44703530	SYNGENTA	OWN	
860.1000	Background	44715105	SYNGENTA	OWN	
860.1000	Background	44715108	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 15 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1000	Background	46584601	SYNGENTA	OWN	
860.1000	Background	46715501	SYNGENTA	OWN	
860.1000	Background	46715502	SYNGENTA	OWN	
860.1000	Background	46715503	SYNGENTA	OWN	
860.1000	Background	46715504	SYNGENTA	OWN	
860.1000	Background	46715505	SYNGENTA	OWN	
860.1000	Background	46715506	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43080054	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43143301	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43445903	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43445904	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 16 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	43445905	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43445906	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43445907	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43445908	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43445909	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43445910	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43470601	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43470602	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43960410	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43960411	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43960412	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 17 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	43960413	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43960414	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382322	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382323	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382324	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382325	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382326	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382327	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382328	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382329	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44382330	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 18 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	44554201	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44554202	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44554203	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44554204	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44926101	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	45821801	SYNGENTA	OWN	
860.1340	Residue analytical method	43080050	SYNGENTA	OWN	
860.1340	Residue analytical method	43080051	SYNGENTA	OWN	
860.1340	Residue analytical method	43080052	SYNGENTA	OWN	
860.1340	Residue analytical method	43080053	SYNGENTA	OWN	
860.1340	Residue analytical method	43080055	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 19 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	43124110	SYNGENTA	OWN	
860.1340	Residue analytical method	43124111	SYNGENTA	OWN	
860.1340	Residue analytical method	43690403	SYNGENTA	OWN	
860.1340	Residue analytical method	43960415	SYNGENTA	OWN	
860.1340	Residue analytical method	43960416	SYNGENTA	OWN	
860.1340	Residue analytical method	43960417	SYNGENTA	OWN	
860.1340	Residue analytical method	43960418	SYNGENTA	OWN	
860.1340	Residue analytical method	44382331	SYNGENTA	OWN	
860.1340	Residue analytical method	44382332	SYNGENTA	OWN	
860.1340	Residue analytical method	44382333	SYNGENTA	OWN	
860.1340	Residue analytical method	44382334	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 20 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44382335	SYNGENTA	OWN	
860.1340	Residue analytical method	44382336	SYNGENTA	OWN	
860.1340	Residue analytical method	44382337	SYNGENTA	OWN	
860.1340	Residue analytical method	44382338	SYNGENTA	OWN	
860.1340	Residue analytical method	44382339	SYNGENTA	OWN	
860.1340	Residue analytical method	44382340	SYNGENTA	OWN	
860.1340	Residue analytical method	44382341	SYNGENTA	OWN	
860.1340	Residue analytical method	44382342	SYNGENTA	OWN	
860.1340	Residue analytical method	44382343	SYNGENTA	OWN	
860.1340	Residue analytical method	44382344	SYNGENTA	OWN	
860.1340	Residue analytical method	44382345	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 21 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44382346	SYNGENTA	OWN	
860.1340	Residue analytical method	44382347	SYNGENTA	OWN	
860.1340	Residue analytical method	44382348	SYNGENTA	OWN	
860.1340	Residue analytical method	44382349	SYNGENTA	OWN	
860.1340	Residue analytical method	44382350	SYNGENTA	OWN	
860.1340	Residue analytical method	44382351	SYNGENTA	OWN	
860.1340	Residue analytical method	44382352	SYNGENTA	OWN	
860.1340	Residue analytical method	44382353	SYNGENTA	OWN	
860.1340	Residue analytical method	44382354	SYNGENTA	OWN	
860.1340	Residue analytical method	44382355	SYNGENTA	OWN	
860.1340	Residue analytical method	44382356	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 22 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44382357	SYNGENTA	OWN	
860.1340	Residue analytical method	44382358	SYNGENTA	OWN	
860.1340	Residue analytical method	44382359	SYNGENTA	OWN	
860.1340	Residue analytical method	44382360	SYNGENTA	OWN	
860.1340	Residue analytical method	44382361	SYNGENTA	OWN	
860.1340	Residue analytical method	44382362	SYNGENTA	OWN	
860.1340	Residue analytical method	44382363	SYNGENTA	OWN	
860.1340	Residue analytical method	44382364	SYNGENTA	OWN	
860.1340	Residue analytical method	44382365	SYNGENTA	OWN	
860.1340	Residue analytical method	44382366	SYNGENTA	OWN	
860.1340	Residue analytical method	44382367	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 23 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44382368	SYNGENTA	OWN	
860.1340	Residue analytical method	44382369	SYNGENTA	OWN	
860.1340	Residue analytical method	44382370	SYNGENTA	OWN	
860.1340	Residue analytical method	44490802	SYNGENTA	OWN	
860.1340	Residue analytical method	44554204	SYNGENTA	OWN	
860.1340	Residue analytical method	44554205	SYNGENTA	OWN	
860.1340	Residue analytical method	44554206	SYNGENTA	OWN	
860.1340	Residue analytical method	44554207	SYNGENTA	OWN	
860.1340	Residue analytical method	44554208	SYNGENTA	OWN	
860.1340	Residue analytical method	44554209	SYNGENTA	OWN	
860.1340	Residue analytical method	44554210	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 24 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44615601	SYNGENTA	OWN	
860.1340	Residue analytical method	44615602	SYNGENTA	OWN	
860.1340	Residue analytical method	44703528	SYNGENTA	OWN	
860.1340	Residue analytical method	44703529	SYNGENTA	OWN	
860.1340	Residue analytical method	44703530	SYNGENTA	OWN	
860.1340	Residue analytical method	44715105	SYNGENTA	OWN	
860.1340	Residue analytical method	44715108	SYNGENTA	OWN	
860.1340	Residue analytical method	44867311	SYNGENTA	OWN	
860.1340	Residue analytical method	44893301	IR-4	PER	
860.1340	Residue analytical method	44893302	IR-4	PER	
860.1340	Residue analytical method	44893303	IR-4	PER	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 25 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44893304	IR-4	PER	
860.1340	Residue analytical method	45286001	IR-4	PER	
860.1340	Residue analytical method	45382801	IR-4	PER	
860.1340	Residue analytical method	45522201	IR-4	PER	
860.1340	Residue analytical method	45530801	IR-4	PER	
860.1340	Residue analytical method	45531001	IR-4	PER	
860.1340	Residue analytical method	45544601	IR-4	PER	
860.1340	Residue analytical method	45660001	IR-4	PER	
860.1340	Residue analytical method	45682301	IR-4	PER	
860.1340	Residue analytical method	45682401	IR-4	PER	
860.1340	Residue analytical method	45721501	IR-4	PER	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 26 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	45726001	IR-4	PER	
860.1340	Residue analytical method	45726002	IR-4	PER	
860.1340	Residue analytical method	45726101	IR-4	PER	
860.1340	Residue analytical method	45726102	IR-4	PER	
860.1340	Residue analytical method	45795301	IR-4	PER	
860.1340	Residue analytical method	45795302	IR-4	PER	
860.1340	Residue analytical method	45795401	IR-4	PER	
860.1340	Residue analytical method	45795402	IR-4	PER	
860.1340	Residue analytical method	45839801	IR-4	PER	
860.1340	Residue analytical method	45849401	IR-4	PER	
860.1340	Residue analytical method	45945001	IR-4	PER	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 27 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	46016702	IR-4	PER	
860.1340	Residue analytical method	46016703	IR-4	PER	
860.1340	Residue analytical method	48526506	SYNGENTA	OWN	
860.1340	Residue analytical method	48526507	SYNGENTA	OWN	
860.1380	Storage stability data	44382332	SYNGENTA	OWN	
860.1480	Meat/milk/poultry/eggs	48526508	SYNGENTA	OWN	
860.1500	Crop field trials	44490802	SYNGENTA	OWN	
860.1500	Crop field trials	44554206	SYNGENTA	OWN	
860.1500	Crop field trials	44554207	SYNGENTA	OWN	
860.1500	Crop field trials	44554208	SYNGENTA	OWN	
860.1500	Crop field trials	44554209	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 28 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	44554210	SYNGENTA	OWN	
860.1500	Crop field trials	44615601	SYNGENTA	OWN	
860.1500	Crop field trials	44615602	SYNGENTA	OWN	
860.1500	Crop field trials	44703528	SYNGENTA	OWN	
860.1500	Crop field trials	44703529	SYNGENTA	OWN	
860.1500	Crop field trials	44703530	SYNGENTA	OWN	
860.1500	Crop field trials	44715105	SYNGENTA	OWN	
860.1500	Crop field trials	46040101	IR-4	PER	
860.1500	Crop field trials	46040102	IR-4	PER	
860.1500	Crop field trials	46584601	SYNGENTA	OWN	
860.1500	Crop field trials	46715501	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 29 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	46715502	SYNGENTA	OWN	
860.1500	Crop field trials	46715503	SYNGENTA	OWN	
860.1500	Crop field trials	46715504	SYNGENTA	OWN	
860.1500	Crop field trials	46715505	SYNGENTA	OWN	
860.1500	Crop field trials	46715506	SYNGENTA	OWN	
860.1500	Crop field trials	47161101	SYNGENTA	OWN	
860.1500	Crop field trials	47161102	SYNGENTA	OWN	
860.1500	Crop field trials	47161103	SYNGENTA	OWN	
860.1500	Crop field trials	47161104	SYNGENTA	OWN	
860.1500	Crop field trials	47161105	SYNGENTA	OWN	
860.1500	Crop field trials	47161106	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 30 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	47161107	SYNGENTA	OWN	
860.1500	Crop field trials	47161108	SYNGENTA	OWN	
860.1500	Crop field trials	47169310	SYNGENTA	OWN	
860.1500	Crop field trials	47169311	SYNGENTA	OWN	
860.1500	Crop field trials	47289701	SYNGENTA	OWN	
860.1500	Crop field trials	47289701	SYNGENTA	OWN	
860.1500	Crop field trials	47289702	SYNGENTA	OWN	
860.1500	Crop field trials	47289702	SYNGENTA	OWN	
860.1500	Crop field trials	48437302	IR-4	PER	
860.1500	Crop field trials	48437303	IR-4	PER	
860.1500	Crop field trials	48437304	IR-4	PER	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 31 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	48437305	IR-4	PER	
860.1500	Crop field trials	48996101	SYNGENTA	OWN	
860.1520	Processed food/feed	44490802	SYNGENTA	OWN	
860.1520	Processed food/feed	44703528	SYNGENTA	OWN	
860.1520	Processed food/feed	44703529	SYNGENTA	OWN	
860.1520	Processed food/feed	44703530	SYNGENTA	OWN	
860.1520	Processed food/feed	47289702	SYNGENTA	OWN	
860.1520	Processed food/feed	47289702	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	43960409	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	44198401	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	44867313	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 32 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1900	Field accumulation in rotational crops	44867314	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	43080010	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	45649301	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	43080011	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	43080012	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	43080013	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	45734501	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	43080011	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	43080012	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	43080013	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	45734501	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 33 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1045	Penaeid acute toxicity test	43080011	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	43080012	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	43080013	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	45734501	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	43080011	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	43080012	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	43080013	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	45734501	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	43080008	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	43080009	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	43080011	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 34 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1075	Fish acute toxicity test, freshwater and marine	43080012	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	43080013	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	44240401	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	45649302	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	45649303	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	45734501	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	43080014	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	43080015	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	44382302	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	43080014	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	43080015	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-759	Page 35 of 36
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1350	Mysid chronic toxicity test	44382302	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	48526501	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	43080014	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	43080015	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	44382302	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	4856502	SYNGENTA	OWN	
850.1730	Accumulation in fish -- waiver	44382320	SYNGENTA	OWN	
850.1950	Field testion for aquatic organisms	44382303	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	43124102	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	43124103	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	43124104	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-759

Page 36 of 36

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: FLUDIOXONIL TECHNICAL

Ingredient: Fludioxonil

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.2300	Avian reproduction test	43080006	SYNGENTA	OWN	
850.2300	Avian reproduction test	43080007	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Syngenta Crop Protection, LLC Box18300 Greensboro NC 27419	EPA Registration Number/File Symbol 100-739
Active Ingredient(s) and/or representative test compound(s) Difenoconazole	Date 9-6-2013
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food	Product Name Difenoconazole Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-in Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application to the extent required by FIFRA.

SECTION III: CERTIFICATION

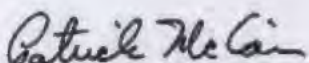
I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 9-6-2013	Typed or Printed Name and Title Patrick McCain, Sr. Regulatory Product Manager, Seed Care
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EPA Form 8570-34 (9-97) Electronic and Paper versions available. Submit only Paper version.

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-739		Page 1 of 45	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenconazole Technical			
Ingredient: Difenconazole					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Cite-All	Cite-All	Cite-All (AHE)	AGRICULTURAL HAN	PER	
Cite-All	Cite-All	Cite-All (ART)	AGRICULTURAL REE	PER	
Cite-All	Cite-All	Cite-All (FES)	FIFRA ENDANGERED	PER	
Cite-All	Cite-All	Cite-All (ORE)	OUTDOOR RESIDENT	PER	
Cite-All	Cite-All	Cite-All (REJ)	RESIDENTIAL EXPOS	PER	
Cite-All	Cite-All	Cite-All (SDT)	SPRAY DRIFT TF	PER	
Cite-All	Cite-All	Cite-All (UST)	U.S. TRIAZOLE TASK	PER	
830.0000	Product identity and composition	42090001	SYNGENTA	OWN	
830.0000	Product identity and composition	42090002	SYNGENTA	OWN	
830.0000	Product identity and composition	42090003	SYNGENTA	OWN	
830.0000	Product identity and composition	42806501	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 2 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.0000	Product identity and composition	42806502	SYNGENTA	OWN	
830.1550	Product identity and composition	46299501	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	43977001	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	46299501	SYNGENTA	OWN	
830.1620	Description of production process	43977001	SYNGENTA	OWN	
830.1620	Description of production process	46299501	SYNGENTA	OWN	
830.1650	Description of Formulation process	43977001	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	43236502	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	43977001	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	46299501	SYNGENTA	OWN	
830.1700	Preliminary analysis	46299501	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013		Reg. No:100-739		Page 3 of 45	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenconazole Technical			
Ingredient: Difenconazole					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1750	Certified limits	46299501	SYNGENTA	OWN	
830.1800	Enforcement analytical method	46299501	SYNGENTA	OWN	
830.6313	Stability to normal and elevated temperatures, metals,	42806503	SYNGENTA	OWN	
830.6313	Stability to normal and elevated temperatures, metals,	43236503	SYNGENTA	OWN	
830.6313	Stability to normal and elevated temperatures, metals,	43467901	SYNGENTA	OWN	
830.6317	Storage Stability	47500501	SYNGENTA	OWN	
830.6317	Storage Stability	47568301	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47500501	SYNGENTA	OWN	
830.6320	Corrosion characteristics	47568301	SYNGENTA	OWN	
830.7050	UV/Visible absorption	46950103	SYNGENTA	OWN	
830.7370	Dissociation constants in water	47957001	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 4 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7840	Water solubility: column elution method, shake flask	46515901	SYNGENTA	OWN	
830.7840	Water solubility: column elution method, shake flask	46515901	SYNGENTA	OWN	
850.6200	Earthworm subchronic toxicity test	42245125	SYNGENTA	OWN	
870.1100	Acute oral toxicity	42090006	SYNGENTA	OWN	
870.1100	Acute oral toxicity	46950301	SYNGENTA	OWN	
870.1100	Acute oral toxicity	46950302	SYNGENTA	OWN	
870.1100	Acute oral toxicity	46950303	SYNGENTA	OWN	
870.1100	Acute oral toxicity	46950304	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	42090007	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	46950305	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	42090008	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-739		Page 5 of 45	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenoconazole Technical			
Ingredient: Difenoconazole					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.1300	Acute inhalation toxicity	46950306	SYNGENTA	OWN	
870.2400	Acute eye irritation	42090009	SYNGENTA	OWN	
870.2400	Acute eye irritation	46950307	SYNGENTA	OWN	
870.2500	Acute dermal irritation	42090010	SYNGENTA	OWN	
870.2500	Acute dermal irritation	42710003	SYNGENTA	OWN	
870.2500	Acute dermal irritation	46950308	SYNGENTA	OWN	
870.2600	Skin sensitization	42090011	SYNGENTA	OWN	
870.2600	Skin sensitization	42710004	SYNGENTA	OWN	
870.2600	Skin sensitization	46950309	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	42090021	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	42090022	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 6 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3100	90-Day oral toxicity	42972802	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	43137501	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42090012	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42090021	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42090022	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42972802	SYNGENTA	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43137501	SYNGENTA	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	42090013	SYNGENTA	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	46950310	SYNGENTA	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	46950311	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	42090016	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 7 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3700	Prenatal developmental toxicity study	42090017	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	42710007	SYNGENTA	OWN	
870.3700	Prenatal developmental toxicity study	42710008	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	42090018	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	42710009	SYNGENTA	OWN	
870.3800	Reproduction and fertility effects	46950312	SYNGENTA	OWN	
870.4100	Chronic toxicity	42090014	SYNGENTA	OWN	
870.4100	Chronic toxicity	42710005	SYNGENTA	OWN	
870.4100	Chronic toxicity	42710010	SYNGENTA	OWN	
870.4200	Carcinogenicity	42090015	SYNGENTA	OWN	
870.4200	Carcinogenicity	42710006	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 8 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

• Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.4200	Carcinogenicity	42710010	SYNGENTA	OWN	
870.4200	Carcinogenicity	42972803	SYNGENTA	OWN	
870.4200	Carcinogenicity	43095401	SYNGENTA	OWN	
870.4300	Combined chronic toxicity/carcinogenicity	42090019	SYNGENTA	OWN	
870.4300	Combined chronic toxicity/carcinogenicity	42090020	SYNGENTA	OWN	
870.4300	Combined chronic toxicity/carcinogenicity	42710010	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	42090023	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	42090024	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	42090025	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	42090026	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	42090027	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 9 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5000	Genetic Toxicity tests	42710011	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	42710012	SYNGENTA	OWN	
870.5000	Genetic Toxicity tests	42972801	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	46950313	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	46950314	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	46950315	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	46950316	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	46950317	SYNGENTA	OWN	
870.5100	Bacterial reverse mutation test	46950318	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	46950319	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	46950320	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 10 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5375	In vitro mammalian chromosome aberration test	46950321	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	46950322	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	46950323	SYNGENTA	OWN	
870.5375	In vitro mammalian chromosome aberration test	46950324	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	42090014	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	42710005	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	42710010	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	46950325	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	46950326	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	46950327	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	46950328	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-739		Page 11 of 45	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenconazole Technical			
Ingredient: Difenconazole					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.6200	Neurotoxicity screening battery	46950329	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	46950330	SYNGENTA	OWN	
870.6200	Neurotoxicity screening battery	48274201	SYNGENTA	OWN	
870.6300	Developmental neurotoxicity study	46950331	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	42090028	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	42090029	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	42090030	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	42090031	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	42710013	SYNGENTA	OWN	
870.7485	Metabolism and pharmacokinetics	42710014	SYNGENTA	OWN	
870.7600	Dermal penetration	46950332	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 12 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.7600	Dermal penetration	46950333	SYNGENTA	OWN	
870.7600	Dermal penetration	46950334	SYNGENTA	OWN	
870.7600	Dermal penetration	46950335	SYNGENTA	OWN	
870.7600	Dermal penetration	47453201	SYNGENTA	OWN	
870.7600	Dermal penetration	47453202	SYNGENTA	OWN	
870.7600	Dermal penetration	47453203	SYNGENTA	OWN	
870.7600	Dermal penetration	47453204	SYNGENTA	OWN	
870.7800	Immunotoxicity	48696701	SYNGENTA	OWN	
870.7800	Immunotoxicity	48696701	SYNGENTA	OWN	
850.4100	Terrestrial plant toxicity, Tier I (seedling emergence)	46950203	SYNGENTA	OWN	
850.4150	Terrestrial plant toxicity, Tier I (vegetative vigor)	46950203	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 13 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and II	46950204	SYNGENTA	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and II	46950205	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950206	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950207	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950208	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950209	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950210	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950211	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950212	SYNGENTA	OWN	
850.5400	Algal toxicity, Tiers 1 and 2	46950213	SYNGENTA	OWN	
850.7100	Data reporting for environmental chemistry methods	46950131	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 14 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.7100	Data reporting for environmental chemistry methods	46950214	SYNGENTA	OWN	
875.2400	Dermal exposure	45200002	SYNGENTA	OWN	
875.2400	Dermal exposure	45200002	SYNGENTA	OWN	
875.2400	Dermal exposure	45200002	SYNGENTA	OWN	
875.2600	Biological Monitoring	45200002	SYNGENTA	OWN	
875.2600	Biological Monitoring	45200002	SYNGENTA	OWN	
875.2600	Biological Monitoring	45200002	SYNGENTA	OWN	
850.3020	Honey bee acute contact toxicity	42245123	SYNGENTA	OWN	
850.3020	Honey bee acute contact toxicity	42245124	SYNGENTA	OWN	
161-1	Hydrolysis - laboratory	42245127	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	42245128	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 15 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
161-2	Photodegradation in water - laboratory	46950104	SYNGENTA	OWN	
161-2	Photodegradation in water - laboratory	46950105	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	42245129	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	42245130	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	46950106	SYNGENTA	OWN	
161-3	Photodegradation in soil - laboratory	46950107	SYNGENTA	OWN	
161-4	Photodegradation in Air	46950108	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	42245131	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	42245132	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	42245133	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	46950109	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 16 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
162-1	Aeroic Soil metabolism	46950110	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	46950111	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	46950112	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	46950113	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	46950114	SYNGENTA	OWN	
162-1	Aeroic Soil metabolism	46950115	SYNGENTA	OWN	
162-2	Anaerobic Soil Metabolism	42245132	SYNGENTA	OWN	
162-2	Anaerobic Soil Metabolism	42245133	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	42245134	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	46950119	SYNGENTA	OWN	
162-3	Anaerobic Aquatic Metabolism	46950120	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-739	Page 17 of 45
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
162-4	Aerobic Aquatic Metabolism	42245134	SYNGENTA	OWN	
162-4	Aerobic Aquatic Metabolism	46950116	SYNGENTA	OWN	
162-4	Aerobic Aquatic Metabolism	46950117	SYNGENTA	OWN	
162-4	Aerobic Aquatic Metabolism	46950118	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	42245135	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	42245136	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	42245137	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	42245138	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	46950121	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	46950122	SYNGENTA	OWN	
163-1	Leaching and adsorption/desorption -- laboratory	46950123	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 18 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
163-1	Leaching and adsorption/desorption -- laboratory	46950124	SYNGENTA	OWN	
163-2	Laboratory Volatility Study	46950125	SYNGENTA	OWN	
164-1	Soil dissipation -- field	42245139	SYNGENTA	OWN	
164-1	Soil dissipation -- field	42245140	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44703505	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44703505	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44703505	SYNGENTA	OWN	
164-1	Soil dissipation -- field	44703505	SYNGENTA	OWN	
164-1	Soil dissipation -- field	46950126	SYNGENTA	OWN	
164-1	Soil dissipation -- field	46950127	SYNGENTA	OWN	
164-1	Soil dissipation -- field	46950128	SYNGENTA	OWN	
164-1	Soil dissipation -- field	46950129	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 19 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
164-1	Soil dissipation -- field	46950130	SYNGENTA	OWN	
164-1	Soil dissipation -- field	47176101	SYNGENTA	OWN	
860.1000	Background	44703528	SYNGENTA	OWN	
860.1000	Background	44703529	SYNGENTA	OWN	
860.1000	Background	44703530	SYNGENTA	OWN	
860.1000	Background	47586101	SYNGENTA	OWN	
860.1000	Background	47586102	SYNGENTA	OWN	
860.1000	Background	47586103	SYNGENTA	OWN	
860.1000	Background	47586104	SYNGENTA	OWN	
860.1000	Background	47586105	SYNGENTA	OWN	
860.1000	Background	47586106	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 20 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1000	Background	47929801	SYNGENTA	OWN	
860.1000	Background	47929802	SYNGENTA	OWN	
860.1000	Background	47929803	SYNGENTA	OWN	
860.1000	Background	47929804	SYNGENTA	OWN	
860.1000	Background	47929805	SYNGENTA	OWN	
860.1000	Background	47988801	SYNGENTA	OWN	
860.1000	Background	48437101	SYNGENTA	OWN	
860.1000	Background	48933101	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	42090032	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	42090033	SYNGENTA	OWN	
860.1300	Nature of the residue -- plants, livestock	42090034	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013	Reg. No:100-739	Page 21 of 45
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419	Product: Difenconazole Technical	

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	42090035	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090036	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090037	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090038	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090039	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090040	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090041	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090042	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090043	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090044	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090050	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 22 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	42090051	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090052	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090053	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42090054	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42806504	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42806505	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42818001	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42818002	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42818004	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	42818005	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43120301	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 23 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	43236501	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43292401	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	43673201	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44093301	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44349701	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44701701	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44701702	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44785103	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44785104	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44785105	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44785106	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 24 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	44785107	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44785108	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44785131	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44785132	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901401	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901402	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901403	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901404	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901405	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901406	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901407	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013		Reg. No:100-739		Page 25 of 45	
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenconazole Technical			
Ingredient: Difenconazole					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1300	Nature of the residue – plants, livestock	44901408	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901409	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901410	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901411	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901412	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901413	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901414	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44901415	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	44947901	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	46950215	SYNGENTA	OWN	
860.1300	Nature of the residue – plants, livestock	46950216	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 26 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	42090055	SYNGENTA	OWN	
860.1340	Residue analytical method	42090056	SYNGENTA	OWN	
860.1340	Residue analytical method	42090058	SYNGENTA	OWN	
860.1340	Residue analytical method	42090059	SYNGENTA	OWN	
860.1340	Residue analytical method	42303901	SYNGENTA	OWN	
860.1340	Residue analytical method	42818003	SYNGENTA	OWN	
860.1340	Residue analytical method	43248601	SYNGENTA	OWN	
860.1340	Residue analytical method	43673202	SYNGENTA	OWN	
860.1340	Residue analytical method	43673204	SYNGENTA	OWN	
860.1340	Residue analytical method	43673205	SYNGENTA	OWN	
860.1340	Residue analytical method	43673206	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 27 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	43673207	SYNGENTA	OWN	
860.1340	Residue analytical method	43673208	SYNGENTA	OWN	
860.1340	Residue analytical method	43673209	SYNGENTA	OWN	
860.1340	Residue analytical method	43673210	SYNGENTA	OWN	
860.1340	Residue analytical method	43673211	SYNGENTA	OWN	
860.1340	Residue analytical method	43673212	SYNGENTA	OWN	
860.1340	Residue analytical method	43673213	SYNGENTA	OWN	
860.1340	Residue analytical method	43673214	SYNGENTA	OWN	
860.1340	Residue analytical method	44056001	SYNGENTA	OWN	
860.1340	Residue analytical method	44490802	SYNGENTA	OWN	
860.1340	Residue analytical method	44518901	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 28 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44518902	SYNGENTA	OWN	
860.1340	Residue analytical method	44518903	SYNGENTA	OWN	
860.1340	Residue analytical method	44518904	SYNGENTA	OWN	
860.1340	Residue analytical method	44602001	SYNGENTA	OWN	
860.1340	Residue analytical method	44619401	SYNGENTA	OWN	
860.1340	Residue analytical method	44703528	SYNGENTA	OWN	
860.1340	Residue analytical method	44703529	SYNGENTA	OWN	
860.1340	Residue analytical method	44703530	SYNGENTA	OWN	
860.1340	Residue analytical method	44785101	SYNGENTA	OWN	
860.1340	Residue analytical method	44785102	SYNGENTA	OWN	
860.1340	Residue analytical method	44785109	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 29 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44785110	SYNGENTA	OWN	
860.1340	Residue analytical method	44785111	SYNGENTA	OWN	
860.1340	Residue analytical method	44785112	SYNGENTA	OWN	
860.1340	Residue analytical method	44785113	SYNGENTA	OWN	
860.1340	Residue analytical method	44785114	SYNGENTA	OWN	
860.1340	Residue analytical method	44785115	SYNGENTA	OWN	
860.1340	Residue analytical method	44785116	SYNGENTA	OWN	
860.1340	Residue analytical method	44785117	SYNGENTA	OWN	
860.1340	Residue analytical method	44785118	SYNGENTA	OWN	
860.1340	Residue analytical method	44785119	SYNGENTA	OWN	
860.1340	Residue analytical method	44785120	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 30 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44785121	SYNGENTA	OWN	
860.1340	Residue analytical method	44785122	SYNGENTA	OWN	
860.1340	Residue analytical method	44785123	SYNGENTA	OWN	
860.1340	Residue analytical method	44785124	SYNGENTA	OWN	
860.1340	Residue analytical method	44785125	SYNGENTA	OWN	
860.1340	Residue analytical method	44785126	SYNGENTA	OWN	
860.1340	Residue analytical method	44785127	SYNGENTA	OWN	
860.1340	Residue analytical method	44785128	SYNGENTA	OWN	
860.1340	Residue analytical method	44785129	SYNGENTA	OWN	
860.1340	Residue analytical method	44785130	SYNGENTA	OWN	
860.1340	Residue analytical method	44785133	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 31 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44785134	SYNGENTA	OWN	
860.1340	Residue analytical method	44785135	SYNGENTA	OWN	
860.1340	Residue analytical method	44785136	SYNGENTA	OWN	
860.1340	Residue analytical method	44785137	SYNGENTA	OWN	
860.1340	Residue analytical method	44785138	SYNGENTA	OWN	
860.1340	Residue analytical method	44785139	SYNGENTA	OWN	
860.1340	Residue analytical method	44785140	SYNGENTA	OWN	
860.1340	Residue analytical method	44785141	SYNGENTA	OWN	
860.1340	Residue analytical method	44785142	SYNGENTA	OWN	
860.1340	Residue analytical method	44785143	SYNGENTA	OWN	
860.1340	Residue analytical method	44785144	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 32 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44829301	SYNGENTA	OWN	
860.1340	Residue analytical method	44901401	SYNGENTA	OWN	
860.1340	Residue analytical method	44901402	SYNGENTA	OWN	
860.1340	Residue analytical method	44901403	SYNGENTA	OWN	
860.1340	Residue analytical method	44901404	SYNGENTA	OWN	
860.1340	Residue analytical method	44901405	SYNGENTA	OWN	
860.1340	Residue analytical method	44901406	SYNGENTA	OWN	
860.1340	Residue analytical method	44901407	SYNGENTA	OWN	
860.1340	Residue analytical method	44901408	SYNGENTA	OWN	
860.1340	Residue analytical method	44901409	SYNGENTA	OWN	
860.1340	Residue analytical method	44901410	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-739	Page 33 of 45
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	44901411	SYNGENTA	OWN	
860.1340	Residue analytical method	44901412	SYNGENTA	OWN	
860.1340	Residue analytical method	44901413	SYNGENTA	OWN	
860.1340	Residue analytical method	44901414	SYNGENTA	OWN	
860.1340	Residue analytical method	44901415	SYNGENTA	OWN	
860.1340	Residue analytical method	45592401	SYNGENTA	OWN	
860.1340	Residue analytical method	46950217	SYNGENTA	OWN	
860.1340	Residue analytical method	46950218	SYNGENTA	OWN	
860.1340	Residue analytical method	46950219	SYNGENTA	OWN	
860.1340	Residue analytical method	46950220	SYNGENTA	OWN	
860.1340	Residue analytical method	46950221	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 34 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1340	Residue analytical method	46950222	SYNGENTA	OWN	
860.1340	Residue analytical method	47413501	SYNGENTA	OWN	
860.1340	Residue analytical method	47648604	SYNGENTA	OWN	
860.1340	Residue analytical method	47648605	SYNGENTA	OWN	
860.1380	Storage stability data	44619401	SYNGENTA	OWN	
860.1380	Storage stability data	46950223	SYNGENTA	OWN	
860.1380	Storage stability data	47413502	SYNGENTA	OWN	
860.1380	Storage stability data	47606601	U.S. TRIAZOLE TASK	PER	
860.1480	Meat/milk/poultry/eggs	46950224	SYNGENTA	OWN	
860.1480	Meat/milk/poultry/eggs	46950225	SYNGENTA	OWN	
860.1480	Meat/milk/poultry/eggs	46950226	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-739	Page 35 of 45
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1480	Meat/milk/poultry/eggs	46950227	SYNGENTA	OWN	
860.1500	Crop field trials	44490802	SYNGENTA	OWN	
860.1500	Crop field trials	44518901	SYNGENTA	OWN	
860.1500	Crop field trials	44518902	SYNGENTA	OWN	
860.1500	Crop field trials	44518903	SYNGENTA	OWN	
860.1500	Crop field trials	44518904	SYNGENTA	OWN	
860.1500	Crop field trials	44602001	SYNGENTA	OWN	
860.1500	Crop field trials	44703528	SYNGENTA	OWN	
860.1500	Crop field trials	44703529	SYNGENTA	OWN	
860.1500	Crop field trials	44703530	SYNGENTA	OWN	
860.1500	Crop field trials	46950228	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 36 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	46950229	SYNGENTA	OWN	
860.1500	Crop field trials	46950230	SYNGENTA	OWN	
860.1500	Crop field trials	46950231	SYNGENTA	OWN	
860.1500	Crop field trials	46950232	SYNGENTA	OWN	
860.1500	Crop field trials	46950233	SYNGENTA	OWN	
860.1500	Crop field trials	46950234	SYNGENTA	OWN	
860.1500	Crop field trials	46950235	SYNGENTA	OWN	
860.1500	Crop field trials	46950236	SYNGENTA	OWN	
860.1500	Crop field trials	47417706	SYNGENTA	OWN	
860.1500	Crop field trials	47417707	SYNGENTA	OWN	
860.1500	Crop field trials	47417708	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013	Reg. No:100-739	Page 37 of 45
Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419		Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	47586101	SYNGENTA	OWN	
860.1500	Crop field trials	47586102	SYNGENTA	OWN	
860.1500	Crop field trials	47586103	SYNGENTA	OWN	
860.1500	Crop field trials	47586104	SYNGENTA	OWN	
860.1500	Crop field trials	47586105	SYNGENTA	OWN	
860.1500	Crop field trials	47586106	SYNGENTA	OWN	
860.1500	Crop field trials	47586107	SYNGENTA	OWN	
860.1500	Crop field trials	47760602	SYNGENTA	OWN	
860.1500	Crop field trials	47929801	SYNGENTA	OWN	
860.1500	Crop field trials	47929802	SYNGENTA	OWN	
860.1500	Crop field trials	47929803	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 38 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1500	Crop field trials	47929804	SYNGENTA	OWN	
860.1500	Crop field trials	47929805	SYNGENTA	OWN	
860.1500	Crop field trials	47988801	SYNGENTA	OWN	
860.1500	Crop field trials	47988802	SYNGENTA	OWN	
860.1500	Crop field trials	47988802	SYNGENTA	OWN	
860.1500	Crop field trials	48437101	SYNGENTA	OWN	
860.1500	Crop field trials	48933101	SYNGENTA	OWN	
860.1520	Processed food/feed	44490802	SYNGENTA	OWN	
860.1520	Processed food/feed	44703528	SYNGENTA	OWN	
860.1520	Processed food/feed	44703529	SYNGENTA	OWN	
860.1520	Processed food/feed	44703530	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 39 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1520	Processed food/feed	46950233	SYNGENTA	OWN	
860.1520	Processed food/feed	46950234	SYNGENTA	OWN	
860.1520	Processed food/feed	46950235	SYNGENTA	OWN	
860.1520	Processed food/feed	46950236	SYNGENTA	OWN	
860.1520	Processed food/feed	47586104	SYNGENTA	OWN	
860.1520	Processed food/feed	47586105	SYNGENTA	OWN	
860.1520	Processed food/feed	47929801	SYNGENTA	OWN	
860.1520	Processed food/feed	47929803	SYNGENTA	OWN	
860.1520	Processed food/feed	48437101	SYNGENTA	OWN	
860.1520	Processed food/feed	48933101	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	42245141	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 40 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
860.1850	Confined accumulation in rotational crops	43467902	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	43467903	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	43703701	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	43703702	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	45881003	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	45881004	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	45881005	SYNGENTA	OWN	
860.1850	Confined accumulation in rotational crops	48203402	SYNGENTA	OWN	
860.1900	Field accumulation in rotational crops	46950237	SYNGENTA	OWN	
850.1010	Aquatic invertibrate acute toxicity test, freshwater dap	42245110	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	42245111	SYNGENTA	OWN	

Patrick McCain, Sr. Regulatory Product Manager, Seed Care

Date: 9/6/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 41 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1025	Oyster acute toxicity test (shell deposition)	42245112	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	42245113	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	42906701	SYNGENTA	OWN	
850.1025	Oyster acute toxicity test (shell deposition)	42906702	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	42245111	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	42245112	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	42245113	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	42906701	SYNGENTA	OWN	
850.1035	Mysid acute toxicity test	42906702	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	42245111	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	42245112	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 42 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1045	Penaeid acute toxicity test	42245113	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	42906701	SYNGENTA	OWN	
850.1045	Penaeid acute toxicity test	42906702	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	42245111	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	42245112	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	42245113	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	42906701	SYNGENTA	OWN	
850.1055	Bivalve acute toxicity test (embryo larval)	42906702	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	42245107	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	42245108	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	42245109	SYNGENTA	OWN	

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DATA MATRIX

Date: 9/6/2013

Reg. No:100-739

Page 43 of 45

Syngenta Crop Protection, LLC, P.O. Box 18300, Greensboro, NC 27419

Product: Difenconazole Technical

Ingredient: Difenconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1075	Fish acute toxicity test, freshwater and marine	42245111	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	42245112	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	42245113	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	42906701	SYNGENTA	OWN	
850.1075	Fish acute toxicity test, freshwater and marine	42906702	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	42245114	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	43137502	SYNGENTA	OWN	
850.1300	Daphnid chronic toxicity test	46950132	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	42245114	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	43137502	SYNGENTA	OWN	
850.1350	Mysid chronic toxicity test	46950133	SYNGENTA	OWN	

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Date: 9/6/2013

Reg. No:100-739

Page 44 of 45

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Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.1350	Mysid chronic toxicity test	46950134	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	42245114	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	43137502	SYNGENTA	OWN	
850.1400	Fish early-life stage toxicity test	46950135	SYNGENTA	OWN	
850.1500	Fish life cycle toxicity	42245115	SYNGENTA	OWN	
850.1730	Accumulation in fish -- waiver	42245142	SYNGENTA	OWN	
850.2100	Avian acute oral toxicity test	42245105	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	42245103	SYNGENTA	OWN	
850.2200	Avian dietary toxicity test	42245104	SYNGENTA	OWN	
850.2300	Avian reproduction test	42245106	SYNGENTA	OWN	
850.2300	Avian reproduction test	42280601	SYNGENTA	OWN	

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Page 45 of 45

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Product: Difenoconazole Technical

Ingredient: Difenoconazole

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
850.2300	Avian reproduction test	46950201	SYNGENTA	OWN	
850.2300	Avian reproduction test	46950202	SYNGENTA	OWN	

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